YALEY ENTERPRISES

2002

61496-1001, 1011

SAFETY DATA SHEET



Issuing Date 06-Aug-2013

Revision date 06-Aug-2013

Version 4

ANDENNE CANONOL THE STEST ANGERS AND THE COMPAND OF THE COMPAND OF

Product identifier

Product code Product Name

80605650

KEYSTONE™ OIL YELLOW 2635

Recommended use of the chemical and restrictions on use

Synonyms

Supplier's details

Recommended Use Uses advised against Restricted to professional users. Coloring agent.

No information available

Details of the supplier of the safety data sheet
Keystone Corporate Office Keystone Europe Ltd
2501 W Fulton Street Units 182 Beckview E

Units 1&2 Beckview Business Parks Leeds Road

Chicago, IL 60612

Huddersfield

Ph 312-666-2015

HD21UR

Ph 1-800-522-4393

UK

Phone 01484 341466 Fax 01484 341544

Emergency telephone number

In U.S. 1-800-255-3924 Outside U.S. call Collect 1-813-248-0585

Emergency Overview

Classification

Acute toxicity - Oral

Category 4

GHS Label elements, including precautionary statements

Signal Word Warning

<u>Hazard Statements</u> H302 - Harmful if swallowed

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YALEY ENTERPRISES

2003

80605850 / KEYSTONE™ OIL YELLOW 2635

Revision date 06-Aug-2013



Appearance greenish-yellow powder

Physical state powder

Odor none

Precautionary Statements
P284 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P330 - Rinse mouth

P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

Unknown Acute Toxicity

100% of the mixture consists of ingredient(s) of unknown toxicity

FOR THE TRANSPORT OF THE PROPERTY OF THE PROPE

Chemical name	CAS-No	Weight %	Trade Secret
Solvent Yellow 56	2481-94-9	100%	*

THE REPORT OF THE PROPERTY OF

First aid measures for different exposure routes

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin contact

Wash skin with soap and water.

Inhalation

Move to fresh air.

Ingestion

Call a physician immediately. Never give anything by mouth to an unconscious person. Do

NOT induce vomiting. Rinse mouth.

Most important symptoms/effects, acute and delayed

Main Symptoms

No information available.

Indication of Immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically.

AND THE RESERVE OF TH

<u>Sultable Extinguishing Media</u>

Use:. Dry chemical. Carbon dioxide. (CO2). Water spray. Alcohol-resistant foam.

Unsuitable Extinguishing Media Keep away from heat and sources of ignition.

Specific hazards arising from the chemical

No information available.

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YALEY ENTERPRISES

☑1004

80605650 / KEYSTONE™ OIL YELLOW 2635

Revision date 08-Aug-2013

Explosion data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Personal precautions, protective equipment and emergency procedures

Personal precautions

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use

personal protective equipment.

Environmental precautions

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and materials for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surface thoroughly. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

THE REPORT OF THE PROPERTY OF

Precautions for safe handling

Advice on safe handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective

equipment. Do not breathe vapors or spray mist.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled

Incompatible products

None known based on information supplied.

THE CONTROL OF THE CO

Control parameters

	Exposure outdennes			
1	Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
	Scivent Yellow 55 2481-94-9	Not Established	Not Established	No information available

Exposure controls

Engineering Measures

Showers

Evewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eve/face Protection

Tightly fitting safety goggles. Maintain eye wash fountain and quick-drench facilities in work

area. Avoid contact with eyes.

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Page 3 of 32 Item Numbers: 61496-1001, 61496-1011

YALEY ENTERPRISES

☑ 005

80605650 / KEYSTONE™ CIL YELLOW 2635

Revision date 06-Aug-2013

Skin and body protection

Skin and body protection. Wear protective gloves/clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved Respiratory protection

respiratory protection should be worn.

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Do not eat, drink or smoke when using this product. Hygiene measures

physical and chemical properties

Physical state powder

greenish-yellow powder Odor none Appearance **Odor Threshold** No information available

Property <u>Values</u> Remarks • Methods 6.00

N/A

90 °C / 194 °F 100 °C / 212 °F Melting point
Boiling point/boiling range

No information available flash point evaporation rate No data available

Flammability (solid, gas)
Flammability Limits in Air No data available No data available

Upper flammability limit No information available Lower flammability limit No information available Vapor Pressure No information available

vapor density No information available ~ 0.32

specific gravity Solubility in other solvents N/A Insol in Water. Sol in some organics

Partition coefficient: n-octanol/waterNo information available N/A

Autoignition temperature no data available Decomposition temperature No information available Viscosity, kinematic no data available Viscosity, dynamic No information available

No information available **Explosive properties Oxidizing properties** No information available

other information

Softening point molecular weight No information available No information available VOC Content(%) Density VALUE No information available **Bulk Density VALUE** No information available

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Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

not determined None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

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YALEY ENTERPRISES

2006

80605650 / KEYSTONE™ OIL YELLOW 2635

Revision date 06-Aug-2013

Incompatible Materials

None known based on information supplied.

Hazardous Dacomposition Products

May emit toxic furnes under fire conditions - carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen chloride.

Information on likely routes of exposure

Product Information

Inhalation

Avoid breathing vapors or mists.

Eye contact

Avoid contact with eyes.

8kin contact

Avoid contact with skin.

Ingestion

Harmful if swallowed.

Information on toxicological effects

Symptoms

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available. germ cell mutagenicity No information available. Carcinogenicity No information available. Reproductive toxicity No information available. Specific target organ systemic No information available. toxicity (single exposure) Specific target organ systemic toxicity (repeated exposure) No information available.

chronic toxicity Avoid repeated exposure. Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

100% of the mixture consists of ingredient(s) of unknown toxicity **Unknown Acute Toxicity**

Enter the same of the color of

Ecotoxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability No information available.

Bioaccumulation
No information available.

No information available Other adverse effects

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Waste treatment

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YALEY ENTERPRISES

2007

80605850 / KEYSTONE™ OIL YELLOW 2635

Revision date 08-Aug-2013

Waste Disposal Methods

Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

STOP OF THE STATE OF THE STATE

<u>DOT</u> Description

Not regulated

<u>MEX</u>

IATA

Description

Not regulated

IMDG Description

Not regulated

RID

<u>ADN</u>

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YALEY ENTERPRISES

2008

80605650 / KEYSTONE™ CIL YELLOW 2635

Revision date 08-Aug-2013

THE RECORD OF THE PROPERTY OF

International Inventories

TSCA Listed **EINECS/ELINCS** Listed Listed DSL

NDSL not determined

PICCS Listed ENCS Listed IECSC Listed AICS Listed KECL Listed NZIGC Listed

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSI/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
ALCS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIOC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at reach@keystone-europe.co.uk

RESTRICTIONS - REACH TITLE VIII No information available

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes.
Chronic Health Hazard	No.
Fire Hazard	No.
Sudden release of pressure hazard	No.
Reactive Hazard	No.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

<u>CERCLA</u>
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

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YALEY ENTERPRISES

Ø 009

80605650 / KEYSTONE™ CIL YELLOW 2635

Revision date 06-Aug-2013

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International Regulations

Mexico - Grade

Moderate risk, Grade 2.

Canada

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS

Health Hazard 1

Flammability 1

Physical Hazard 0

Personal Protection F

Revision date

06-Aug-2013

Revision Note

No information available.

Recommended Restrictions

No information available.

Contact Information Website

WWW.DYES.COM.

<u>Disclaimer</u>

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The Information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

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YALEY ENTERPRISES

Ø 010



SAFETY DATA SHEET

Issuing Date 07-Aug-2014

Revision date 07-Aug-2014

Version 1

TIDENTIFICATION OF THE SUBSTANCE PREPARATION AND OF THE COMPANY UNDERTAKING

Product identifier

Product code **Product Name** 60602750

\$\$ DEEP RED 2R

Recommended use of the chemical and restrictions on use Synonyms N/A

Synonyma

Supplier's details Recommended Use Uses advised against

Restricted to professional users. Coloring agent.

No information available

<u>Details of the supplier of the safety data sheet</u>

Keystone Corporate Office

Keystone Liquid Manufacturing and Technical Facility 2165 Highway 292

2501 W Fulton Street Chicago, IL 60612

Inman, SC 29349 Ph 864 473-1601

Ph 312-666-2015 Ph 1-800-522-4393

Emergency telephone number USA: 1-800-255-3924

China: (400-1)-400-120-0751

Other: Collect 1-813-248-0585

2. HAZARDS IDENTIFICATION

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS Label elements. Including precautionary statements

Emergency Overview

Signal Word Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance red powder

Physical state powder

Odor No information available

<u>Precautionary Statements</u>
P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/furne/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smake when using this product P501 - Dispose of contents/ container to an approved waste disposal plant

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YALEY ENTERPRISES

20011

60602750 / SS DEEP RED 2R

Revision date 07-Aug-2014

Hazards not otherwise classified (HNOC)

Other Information
Unknown scute toxicity
100 percent of the mixture consists of ingredient(s) of unknown scute toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST AID MEASURES 14.

First aid measures for different exposure routes

Eve contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin contact

Wash skin with soap and water.

Inhalation

Move to fresh air.

Ingestion

Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms

No information available.

indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician

Treat symptomatically.

5 FIRE-FIGHTING MEASURES

<u>Suitable Extinguishing Media</u>
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Keep away from heat and sources of ignition.

Specific hazards arising from the chemical

No information available.

Explosion data
Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

8. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

Environmental precautions

Environmental precautions

Prevent further leakage or spillage if safe to do so.

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YALEY ENTERPRISES

Ø 012

60602750 / SS DEEP RED 2R

Revision date 07-Aug-2014

Methods and materials for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. Provide appropriate exhaust ventilation at places where dust is formed. As a rule, at least 10 air changes per hour are recommended at the workplace. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

None known based on information supplied.

incompatible products

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Exposure controls

Engineering Measures

Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face Protection

Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and body protection

Skin and body protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eyelface protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

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YALEY ENTERPRISES

Ø 013

60602750 / 8S DEEP RED 2R

Revision date 07-Aug-2014

PARTIES OF PHYSICAL AND CHEMICAL PROPERTIES OF THE STATE OF THE STATE

physical and chemical properties

powder Physical state red powder Appearance Odor Threshold

No information available

Odor

No information available

Property

Values_ No information available

N/A

Melting point

Boiling point/boiling range No information available flash point No information available No data available No data available

Not Applicable

evaporation rate Flammability (solid, gas) Flammability Limits in Air Upper flammability limit

Lower flammability limit

No information available No information available No information available No data available

Remarks • Method

Vapor Pressure vapor density specific gravity No information available ~ 0.5 No information available

N/A

Sclubility in other solvents Partition coefficient: n-octanol/waterNo information available

no data available

Autoignition temperature Decomposition temperature No information available no data available Kinematic viscosity **Dynamic viscosity** No information available Explosive properties No information available Oxidizing properties No information available

N/A

other information

Softening point molecular weight No information available

VOC Content(%)

No information available Density

10. STABILITY AND REACTIVITY

Reactivity No data available

British British

Chemical stability

Stable under recommended storage conditions.

<u>Hazardous Reactions</u> None under normal processing

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products
May emit toxic fumes under fire conditions.

1. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Item Numbers: 61496-1001, 61496-1011

Product does not present an acute toxicity hazard based on known or supplied information

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YALEY ENTERPRISES

Ø 014

60602750 / \$\$ DEEP RED 2R

Revision date 07-Aug-2014

Inhalation Avoid breathing vapors or mists.

Eve contact Avoid contact with eyes. Skin contact Avoid contact with skin.

Ingestion Not an expected route of exposure. Do not taste or swallow,

Information on toxicological effects

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available. germ cell mutagenicity No information available. Carcinogenicity No information available. Reproductive toxicity No information available. Specific target organ systemic No information available. toxicity (single exposure) Specific target organ systemic No information available.

toxicity (repeated exposure)
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 100 percent of the mixture consists of ingradient(s) of unknown acute toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

医克莱克斯氏

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability No information available.

Bioaccumulation

No information available.

Other adverse effects	No information available
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13. DISPOSAL CONSIDERATIONS

Waste treatment

Should not be released into the environment. Dispose of in accordance with local **Waste Disposal Methods**

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

Contaminated packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

14 TRANSPORT INFORMATION

DOT

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Page 13 of 32 Item Numbers: 61496-1001, 61496-1011

YALEY ENTERPRISES

20015

60602750 / SS DEEP RED 2R

Revision date 07-Aug-2014

Description

Not regulated

MEX

<u>IATA.</u>

Description

Not regulated

IMDG

Description

Not regulated

RID

<u>ADN</u>

15. REGULATORY INFORMATION

International Inventories

TSCA Listed **EINECS/ELINCS** Listed DSL Listed

NDSL not determined

PICCS Listed ENCS Listed IECSC Listed AICS Listed KECL Listed **NZIoC** Listed

<u>Legend</u>

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances ENCS - Japan Edsting and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at reach@keystone-europe.co.uk

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard Chronic Health Hazard No. No. Fire Hazard No. Sudden release of pressure hazard No.

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YALEY ENTERPRISES

21016

60602750 / SS DEEP RED 2R

Revision date 07-Aug-2014

Reactive Hazard

No.

<u>Clean Water Act</u>
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

International Regulations

Canada

WHMIS Note

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS Health Hazard 1 Flammability 1 Physical Hazard 0 Personal Protection F

THE PROPERTY OF THE PARTY OF TH YE OTHER INFORMATION Frankling Company of the Company of

Revision date

07-Aug-2014

Ravision Note

No information available.

Restrictions on use

No information available.

Contact Information Website

WWW.DYES.COM

<u>Disclaimer</u>

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

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YALEY ENTERPRISES

Ø 017



SAFETY DATA SHEET

Keystone Aniline Corporation

www.dyes.com

Corporate Headquarters 2501 West Fulton Street Chicago, IL 60612 Tel 312-666-2015 Fax 312-666-8530 Manufacturing Facility 2165 Highway 292 Inman, SC 29349 Tel 864-473-1601 Fax 864-473-2377 24 Hour Emergency Phones In U.S. Call CHEMTEL 1-800-255-3924 Outside U.S. call CHEMTEL Collect at 1-813-248-0585

HMIS RATINGS:

IFAI TH:

FIRE: 1 REACTIVITY: 0 PERSONAL PROTECTION:

SECTION INCLUDED THE COMPANY OF THE SECTION OF THE

Product I.D.:

20603651

Product Name:

KEYSTONE™ OIL BLUE A NEW Solvent Blue Colorant Powder

Product Description:

Solvent Blue 36

C.I. Number:

61551

C.I. Number: Chemical Family:

Anthraquinone dye

C. CONTRACTOR PLANTING TO THE PROPERTY OF THE

CAS Number:

14233-37-5

Effective Date:

02/14/12

4 PACK DYE (BLUE) 447136 400100930076

Emergency Overview:

Unprotected contact may cause eye, skin and respiratory irritation

Eye Contact:

Depending on duration and personal sensitivity, unprotected contact may cause mild irritation, discomfort, redness, watering, itching or other effects. Heavy contact or for prolonged period may increase effects. Follow ALL supervisor and Personal Protection instructions in Section 8 of this SDS.

Skin Contact:

Depending on degree of unprotected contact with product and individual sensitivity, may cause mild imitation to skin, redness, rash, itching, and other effects. Constant/repeated long-term contact with some powdered products may cause abrasion of skin or increase other effects. Some liquid components may be absorbed through unprotected skin causing or adding to effects.

Inhalation:

Depending on duration of unprotected inhalation of product, vapors, mists, aerosols or dusts may cause mild irritation of the nose, throat, lungs and mucous membranes. Effects may include shortness of breath, cough, nausea, headache or other effects. Prolonged or heavy exposure, or heating of liquid material may increase severity of symptoms.

Ingestion:

Health effects from unintentional swallowing any amount of this product have not been determined. May cause internal irritation or other possibly serious health effects. As precautions, follow all supervisor instructions and Section 8 SDS instructions on use of proper gloves and other Personal Protective Equipment and dothing when handling this product. Wash hands with soap and water after handling. Avoid accidental swallowing of material transferred from gloves or hands containing product residue.

Item Numbers: 61496-1001, 61496-1011 Page 16 of 32

YALEY ENTERPRISES

2018

SAFETY DATA SHEET (continued)

Page 2 of 7

20603651 KEYSTONE™ OIL BLUE A NEW

Medical Conditions Aggravated by Exposure:

Improper protection allowing contact with vapors, mists, aerosols, liquids, splashes or dusts of product by inhalation, eye contact, or skin contact may aggravate pre-existing conditions or diseases of the respiratory system, skin, or eyes. Individuals with above-noted conditions or known or suspected chemical sensitivities or allergies should avoid working with chemicals.

Skin Sensitization:

Not known to cause skin sensitization. With careful handling and when good chemical hygiene procedures are followed, harmful effects are not expected. As a precaution against unforeseen or unexpected sensitivity or possible allergic reactions. follow ALL Personal Protection instructions in Section 8 of this SDS.

Not known to cause respiratory sensitization. With careful handling and good chemical hygiene procedures being followed, no harmful effects are expected. As a precaution against unforeseen or unexpected sensitivity or possible allergic reactions, follow ALL Personal Protection instructions in Section 8 of this SDS. All PPE must be cleaned and maintained after each shift. All exposures should be avoided. Individuals known to be, or suspected to be sensitive to chemical exposure should not work with chemicals.

Special Warnings:

None for this material

Unusual Health Hazards:

None for this material

Supplemental Hazard Information:

No additional information is currently available

Notes to Physician:

Treat Symptomatically based on Section 2 Hazard Warnings and Section 3 Ingredients unless indicated otherwise

Cancer Information:

*** Not known to contain carcinogens ***

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Component	CAS Number	Wt %	OSHA - PEL	ACGIH - TLV	Recommended PEL	
Solvent Blue 36	14233-37-5	100.00%	15 mg/m3 TWA Total dust 5 mg/m3 Respirable	10 mg/m3 TWA Total dust 3 mg/m3 Respirable	Not applicable	

Important Notice:

Unprotected contact with ingredients listed in Section 3 may be hazardous based on OSHA 29 CFR 1910.1200 & related appendices. Components not listed are trade secrets, non-hazardous, or not reportable. This SDS is not intended to offer full disclosure, but all component information is available to medical or emergency personnel. All hazards are based on contact exposure. Effects may be unpredictable and may vary from person to person due to individual reactions. Reducing or eliminating contact contact. Users are responsible for hazard determination and communication. Unless indicated otherwise, non-carcinogenic components are indicated within a 1-10% range, and investigated or potential carcinogens within a 0.1-1% range. HMIS ratings are based on data interpretation, and vary from company to company. They are intended only for quick, general identification of the degree of potential hazards range from 0 (Minimal) up to 4 (Savere). Consult the National Paint & Coatings Association HMIS Manual for detailed Information on ratings. To handle material safely, consider all information in this SOS.

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Eye Contact:

Immediately rinse with flowing water for at least 15 minutes while holding eyelids open. Get immediate medical attention, as a precaution. Have a copy of this Safety Data Sheet available.

Skin Contact:

Immediately remove contaminated clothing. Wash affected area with soap and rinse with plenty of water. Get medical attention, as a precaution. Have a copy of this Safety Data Sheet available.

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SAFETY DATA SHEET (continued)

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Inhalation:

Immediately move person to fresh air. If breathing is difficult give oxygen, call 911, calm the individual. If not breathing, call 911, give artificial respiration (CPR) until medical help arrives. Have this Safety Data Sheet available.

Ingestion:

Do not induce vomiting unless directed to do so by a doctor or by other emergency medical personnel. Forced vomiting of certain chemicals may cause aspiration and lung damage. Have this Safety Data Sheet available.

Unusual hazards:

None expected

Other Hazards;

None known

Types of Extinguishers:

CO2, dry chemical, foam, water fog or spray depending on type of fire

Fire Fighting Directions:

Wear self-contained breathing equipment and fire-proof clothing. Use water spray to cool fire exposed containers if they cannot be safely moved.

Special Precautions:

None known, Follow general precautions shown below.

Reporting:

Check the applicable RQs in Section 15

Static Discharges:

IMPORTANT - FOR DYES CONTAINING FLAMMABLE SOLVENTS (Check section 3 for ingredients, section 5 or 9 for flash point, section 14 for transport classification). IF FLAMMABLE, GUARD AGAINST FIRE AND EXPLOSION: Take precautionary measures against static discharges when cleaning up leaks or spills of combustibles, flammables and powders. Containers should be properly grounded with metal straps, cables or other appropriate means to relieve static electricity buildup or generation. IMPORTANT: When using, mixing, filling, or otherwise dispensing any types of solvents, do not allow buildup of flammable or combustible vapors or vapor-air mixtures in confined spaces, storage tanks, or any other areas or enclosures. Totes, drums, pails, and all other containers should be completely sealed when not in use. Flammable vapors can travel a distance to ignition sources and cause fire or explosion. Take every precaution and monitor all safety factors and systems, including maintaining more-than-adequate air-exchange ventilation.

Environmental Protection:

Immediately dike liquid spills with inert absorbent material (sand, "Oil Dry" or other commercially available spill absorbent) to contain and soak up liquid. Prevent material from entering floor drains, sewers, or any bodies of water. For powder spills, use sweeping compound, sawdust, or other appropriate material to contain dust. If possible, recover any uncontaminated materials to re-use.

Protective equipment and clothing:

Wear all proper personal protective equipment and clothing to care for spill situation. See section 8 of this Safety Data Sheet.

After containing liquid spill by diking and soaking up with inert absorbent material, place in labeled container to be sealed for proper and regulated disposal. Only the slightest residue should remain. Try to save uncontaminated material for reuse whenever possible. For powders, use sweeping compound to minimize dust and pick up as much product as possible. Do not allow liquids to seep into drains, sewers, lakes, rivers, etc. Check Sections 1 and 2 for dye description or type. Solvent dye residue may be cleaned by scrubbing with detergent, depending on type. Do not add water to water-soluble dyes. Dye is concentrated. This will increase amount of color to remove. All cleaning or scrubbing liquids used should be absorbed and placed in labeled containers for correct disposal. Absorbent material containing solvents may release combustible or flammable vapors and should be handled accordingly, properly labeled and disposed. Check Sections 2, 5, 13 & 15 for applicable instructions and regulations.

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SAFETY DATA SHEET (continued)

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Warnings and Precautions:

No special precautions anticipated. Wear all PPE in section 8 as a precaution, and avoid physical contact with material.

Personal Protection:

Wear ALL proper personal protective equipment as outlined in section 8 of this SDS.

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Handling, Storage & Temperature Conditions:

Keep containers tightly sealed in cool & dry area, out of direct sunlight. IMPORTANT: FOR PRODUCTS LISTING FLAMMABLE/COMBUSTIBLE SOLVENTS or LOW FLASH POINTS - GUARD AGAINST FIRE AND EXPLOSION: Store away from fire hazards and ignition sources, high heat, open flames, welding, hot plates, steam pipes, radiators, etc. Maintain good ventilation. Guard against static discharges. Ground all containers before mixing or filling. Use non-sparking tools to open, close or otherwise work with containers. Limit indoor storage to approved areas with automatic sprinklers. Vapors expected to be released when material is heated during process operations.

STATIC CHARGES: Take precautionary measures against static discharges when mixing, cleaning, filling or otherwise dispensing combustible or flammable liquids. Containers should be properly grounded with metal straps, cables or other appropriate means to relieve static electricity build-up or generation.

VAPORS: IMPORTANT: DO NOT ALLOW buildup of flammable or combustible vapors or vapor-air mixtures in confined spaces, storage tanks, or any other areas or enclosures. Totes, drums and all other containers should be completely sealed when not in use. Vapors can travel a distance to ignition sources and cause fire or explosion. Take every precaution and monitor all safety factors and systems, including maintaining more-than-adequate air-exchange ventilation.

POWDERS: General precautions: Although unlikely in most instances, GUARD AGAINST DUST EXPLOSION HAZARD. Eliminate or keep dust to a minimum. Under the right conditions, high dust concentrations of certain particle sizes mixed air in a critical ratio in the presence of an ignition source can theoretically cause a dust explosion. Be sure to PROPERLY ground containers when filling, mixing or otherwise dispensing powders. KEEP WORK AREA CLEAN AND DUST-FREE. Follow all Section 8 recommendations for Exposure Controls and Personal Protection.

WATER-BASED PRODUCTS: DO NOT ALLOW TO FREEZE.

Note: Selecting protective equipment & clothing:

When choosing personal protective equipment and clothing, consider each worker's environment, all chemicals being handled, temperature, ventilation, and all other conditions. Determination of the level of protection needed for the eyes, skin and respiratory system under working conditions is the responsibility of the product end-user or shift supervisor. SDS Sections 2, 3, 8 and 11 should be consulted.

Eve protection:

As a precaution, wear indirectly vented, splash-proof chemical safety goggles. When handling liquids, wear splash-proof goggles under a clear face-shield. Face shield is not to be used without these goggles. The type or extent of protection needed should be determined by the product end-user or shift supervisor.

Always wear impervious, chemical-resistant synthetic or rubber gloves. Check with manufacturer for best glove for the material being handled. Wear good quality long sleeved work shirt, coveralls, and a rubber or plastic apron. Wash hands after handling and before eating, drinking or using restroom. Shower after each shift. Clean contaminated but reusable protective equipment and clothing before reusing and wearing again. Discard contaminated disposable gloves and clothing. The type or extent of protection needed should be determined by the product end-user or shift supervisor.

Depending on type of material handled and processing conditions, the appropriate NIOSH approved air-purifying organic vapor/mist respirator or dust respirator (with proper pre-filters if required) should be worn as a precaution when any inhalation contact with product is possible. A properly selected, disposable NIOSH approved air-purifying mask may be acceptable (Check with the mask manufacturer). After each shift or when equipment becomes contaminated, clean the respirator and replace filters in compliance with 29 CFR 1910.134. Discard disposables as often as required. The type or extent of protection needed should be determined by the product end-user, shift supervisor or other appropriate on-site manager.

Eye Washes and Other Protection:

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SAFETY DATA SHEET (continued)

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Eye wash stations and drench showers should be located within 100 feet or 10-second walk of the work area per ANSI standard Z358.1-1990.

Ventilation:

Local exhaust or other appropriate ventilation should be used to maintain exposure limits below specified amounts recommended by OSHA, NIOSH, or ACGIH and to draw spray, aerosol, vapors, or dusts away from workers and prevent routine inhalation. At least 10 air changes per hour are recommended for good room ventilation. IMPORTANT - GUARD AGAINST FIRE AND EXPLOSION: When using, mixing, filling, or otherwise dispensing any types of solvents, do not allow buildup of flammable or combustible vapors or vapor-air mixtures in confined spaces, storage tanks, or any other areas or endosures. Totes, drums and all other containers should be completely sealed when not in use. Vapors can travel a distance to ignition sources and cause fire or explosion. Take every precaution and monitor all safety factors and systems, including maintaining more-than-adequate air-exchange ventilation.

Airborne Exposure Limits:

Not referenced in literature

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Flash Point: Not applicable

pH: 7.0
% Total VOC: 0.00
% Total Solids / Non-Volatiles: 100.00

Appearance: Dark blue powder
Density: 0.180 g/cm3
Odor: None
Melting Point: 152°C

Lbs. per gallon: Not established Specific Gravity: Not applicable

Solubility: Insoluble in water. Soluble in certain organic solvents.

Other Properties: No further data
Other Components: Not established

Decomposition Temperature: >150°C

All Data shown above are typical values, not specifications.

Stability:

Product is expected to be stable under normal, ambient (controlled) conditions concerning heat, moisture, pressure, fire and ignition hazards, and ventilation. Contact with incompatible or reactive materials may cause hazardous reactions in some products if indicated. Check information below.

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Hazardous Polymerization:

Product will not undergo polymerization.

Conditions to Avoid:

Incompatibles, contamination

Incompatible Materials:

Strong oxidizing & reducing agents

Hazardous Decomposition Products:

In fire: CO, CO2, oxides of nitrogen & other possibly harmful fumes

Possible Hazard Reactions:

None known

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Component	Eye Effect	Skin Effect	Skin Sens	Rosp Sens	Oral LD50	Inh LCS0	Mutagon	Other Tox Data	Other Info
Scivent Blue 36	May be mid initant	May be mild initant	No Data	No Data	> 5900 mg/kg	No Data	No Data	No Data	May be respiratory initent

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Component	XOA	Aquatic Tox	BOD	Biodag.	COD	Ecotoxicity	Sewage	Other Test Data	Other Info
*** No Data ***									
	<u> </u>	moderns, pils	\$\$0\$\$ <u>\</u>	多面で分類	\$578\STBS	THAT COPES			

Reuse of materials:

Reclaim all uncontaminated material to reuse, recycle or otherwise rework whenever possible.

Contain - Do not release:

Do not release into sewers, water systems, ground systems or ecosystems without proper authorization.

Discosal Methods

Incinerate, treat, or bury (landfill), after sampling and testing, at facility approved by applicable federal, state, and local authorities.

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Empty Containers:

Empty containers may contain residue and/or vapors and should not be reused unless professionally cleaned and reconditioned. Crush if not cleaned, to prevent reuse.

Applicable Regulations: Special Instructions: See Section 15 if regulated See Section 15 if regulated

DOT Regulations (Ground):

NOT REGULATED

IATA Regulations (Air):

NOT REGULATED

IMDG / IMO Regulations (Water):

NOT REGULATED

FEDERAL AND STATE LISTS				
Component	CAS Number		Weight %	Regulatory List
Solvent Blue 36	14233-97-5		100.00%	No listings known to be applicable.
SARA 311/312 Hazard Categories Immediate/Acute Health Hazard:	<u>-</u>	YES		
Chronic/Delayed Hazard: Fire Hazard:		NO NO		
Sudden Release of Pressure Haz	ard:	NO		

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SAFETY DATA SHEET (continued)

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KEYSTONE™ OIL BLUE A NEW

GLOBAL CHEMICAL REGISTRATION LISTINGS:

AICS (Australia): Components listed DSL (Canada): Components listed Components listed ECL (Korea): Components listed EINECS (Europe): ENCS (Japan): Components listed IECSC (China): Components listed Components listed NZIoC (New Zealand): PICCS (Phillippines): Components listed TSCA (US): Components listed

EU Reach:

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions.

OTHER LISTINGS:

Canadian WHMIS: D2B (Skin - eye Irritant)

Reason for Revision: Sec. 9 review Reviewed: 02/14/12

Disclaimer:

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. This Safety Data Sheet was prepared to comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200, and supersedes any previous information. Previously dated sheets are invalid and inapplicable.

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Date Issued: 10/11/2012

CE- 141368 / FRENCH VANILLA NP

Material Safety Data Sheet

CUSTOM ESSENCE, Inc. 53 Veronica Ave, Somerset, NJ 08873

For more information 8:30am-4:30pm, call (732) 249-6405

After hours EMERGENCIES ONLY, call CHEMTREC: 1-800-424-9300 (1-703-741-5500 Outside of United States)

Section 1: Product Identification

Product Name: Trade Secret Mixture

Trade Name: CE- 141368 / FRENCH VANILLA NP

Section 2: Composition Information

The specific chemical identities of the ingredients of this mixture are considered by Custom Essence, Inc. to be Trade Secrets and are withheld in accordance with the provisions of S1910.1200 of Title 29 of the Code of Federal Regulations (CFR).

Section 3: Health Hazard Data

Routes of Entry: Inhalation, skin contact, ingestion.

May be irritating to skin and eyes (see Section 8). Health Hazards:

Medical conditions generally aggravated None known to Custom Essence.

by exposure:

NFPA Health Hazard Rating: 0 (Normal Material)

Section 4: First Ald Measures

Inhalation: Remove from exposure to fresh air.

Eye Contact: Flush immediately with cold water for at least 15 minutes.

Wash affected areas with soap and water. Skin Contact:

Ingestion: Induce vomiting if advised by poison control or physician.

Section 6: Fire and Explosion Hazards

Extinguishing media: Water, CO2, Dry chemical or foam

Special fire fighting procedures: Self-contained breathing apparatus and protective clothing for fighting fires involving

chemicals.

Unusual fire and explosion hazards: None known to Custom Essence. Avoid sources of ignition (e.g., sparks, open

flames, heat) near empty containers

NFPA Fire Hazard Rating: 1 (Flashpoint > 200 Deg F) See Section 9

Section 6: Accidental Release Measures

Soak with sweeping compound or similar absorbent material, then wash with detergent and water.

Section 7: Handling and Storage

Keep product away from heat and open flame. Keep container closed when not in Handling:

Storage: Store in a cool, dry area with adequate ventilation.

Empty container handling: Empty containers should be completely drained, properly closed and returned to a

drum or container disposal service. Do not reuse or alter containers in any way.

Section 8: Exposure Control / Personal Protection

RIFM/IFRA maximum skin use level: Threshold Limit Value (TLV):

OSHA Permissible Exposure Level

Respiratory protection:

Protective clothing: Eye protection:

HMIS PPE Code:

Varies by product category

Not established

Not established

Respirators should be selected based on the form and concentration of contaminant

in air and in accordance with OSHA (29 CFR 1910.134). Usually not required

Local, mechanical exhaust that meets ACGIH criteria to control vapor.

When contact is likely, wear protective gloves and clothing. Use goggles or face shield when eye contact might occur.

B (Safety glasses, gloves) Have not been established Occupational exposure limits:

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Ventilation:

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CE-141368 / FRENCH VANILLA NP

	Section 9: Physical and Chemical Properties
Flashpoint (TCCC):	212 Degrees F
Physical State:	Liquid
/apor Pressure (mm Hg @ 20 deg C):	0.002 (calculated)
Specific Gravity @ 20.4 deg C	0.939
/apor Density (air = 1):	> 1
Solubility in Water.	NO
Color (Gardner Scale):	YELLOW 2.0 (may lighten or darken over time)
Odor:	To match target
	Section 10: Stability and Reactivity
Stability:	Presents no significant reactivity hazard. Will not react violently with water. Carbon monoxide and unidentified organic compounds may be formed during combustion.
Conditions to avoid:	Avoid contact with strong acids, alkalis, or oxidizing agents. Avoid sources of
NFPA Reactivity Hazard rating:	0 (Normally Stable)
NFPA Specific Hazard rating:	None
Hazardous polymerizations:	Will not occur
	Section 11: Toxicological Information
Cnown IARC carcinogens:	None known to Custom Essence
Known mutagens:	None known to Custom Essence
Known teratogens:	None known to Custom Essence
Known reproductive toxicants:	None known to Custom Essence
Acute eye, dermal, inhalation or oral	None known to Custom Essence
LD50 (mg/kg in rats):	7500 (calculated estimate)
	Section 12: Ecological Information
Known Marine Pollutants:	None known to Custom Essence
·	Section 13: Disposal Information
Waste disposal method:	Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal whether product meets criteria for hazardous waste.
	Section 14: Transportation Information
Harmonized tariff number:	3302.90.10.10
Proper Shipping Names	3502.80.10.10
Proper Shipping Names North America-Ground (> 1000 lbs):	
North America-Ground (<=1000 lbs):	NA1993, COMBUSTIBLE LIQUID, N.O.S. PGIII
•	Not considered hazardous by DOT 49CFR
North America-Air:	Not considered hazardous by IATA
International-Air or Sea:	Not considered hazardous by IATAIMDG
	Section 15: Regulatory Information
	s: See Section 11 for list of known carcinogens and teratogens and reproductive toxic
California Proposition 65 List	None known to Custom Essence
0 4 5 4 74-0 02 040 : 4:- 1	s; None known to Custom Essence

The information in this MSDS was obtained from current and reliable sources. However the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy.

Government agencies may have specific regulations concerning the handling of this product which may not be reflecteded in this MSDS. The user should review regulations to ensure full compliance.

Section 16: Other Information

Date of Last Revision:

27-Oct-09

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MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Drakeol® 10 LT MIN OIL NF

Version # 02

Revision date 08-11-2011
CAS # Mixture

Manufacturer information Calumet Specialty Products Partners, L.P.

2780 Waterfront Pkwy E. Dr.

Suite 200

Indianapolis, IN 46214 United States www.calumetlubricants.com Technical Services 317-328-5660 CHEMTREC International 703-527-3887

2. Hazards identification

Emergency overview Health injuries are not known or expected under normal use.

OSHA regulatory status

This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

Eyes Health injuries are not known or expected under normal use.

Skin Health injuries are not known or expected under normal use.

Inhalation Health injuries are not known or expected under normal use.

Ingestion Health injuries are not known or expected under normal use.

Potential environmental effects Ecological injuries are not known or expected under normal use.

3. Composition / Information on Ingredients

Non-hazardous components	CAS#	Percent
White mineral oil	8042-47-5	100

4. First Aid Measures

First ald procedures

Eye contact Product is non-irritating.
Skin contact Product is non-irritating.
Inhalation Not applicable.

innatation Not applicable

Ingestion Rinse mouth. Do not induce vamiling without advice from poison control center, if vomiting

occurs, keep head low so that stomach content doesn't get into the lungs. Not applicable.

General advice If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties Not flammable by OSHA criteria. Not combustible by OSHA criteria.

Extinguishing media

Suitable extinguishing Water fog. Foam. Carbon dioxide (CO2). Dry chemicals.

media

Unsuitable extinguishing Water. Do not use water jet as an extinguisher, as this will spread the fire.

media

Protection of firefighters

Protection of fireigniers

Protective equipment and precautions for firefighters

Wear suitable protective equipment.

Fire fighting

Move containers from fire area if you can do so without risk. Cool containers exposed to heat with

equipment/instructions water spray and remove container, if no risk is involved.

6. Accidental Release Measures

Personal precautions Keep unnecessary personnel away.

Material name: Drakeot® 10 LT MIN OIL NF Version #: 02 Revision date: 08-11-2011 Print date: 08-11-2011

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Environmental precautions Methods for containment

Prevent further leakage or spillage if safe to do so.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible

Methods for cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Scrub the area with detergent and water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

7. Handling and Storage

Handling

Storage

DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect

material from direct sunlight. Avoid prolonged or repeated contact with skin. Use only in

well-ventilated areas. Handle and open container with care Keep away from heat and sources of ignition. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Personal protective equipment

Eye / face protection

Chemical goggles are recommended.

Skin protection

Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection

No personal respiratory protective equipment normally required.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance Product is water-white liquid.

Physical state Liquid. Form Liquid.

Color Transparent Water-White

Odor None. Insoluble Solubility (water)

411 °F (210.6 °C) ASTM D92 Flash point Auto-ignition temperature > 598 °F (> 314.4 °C) estimated

100 SUS ASTM D2161 **Viscosity** Viscosity temperature 100 °F (37.8 °C)

Pour point 11 °F (-11.7 °C) ASTM D97

Other data

Density 0.8508 g/cm3

Kinematic viscosity > 19 mm²/s ASTM D445

104 °F (40 °C) Kinematic viscosity temp

10. Chemical Stability & Reactivity Information

Chemical stability Material is stable under normal conditions.

Conditions to avoid Heat, flames and sparks. Avoid temperatures exceeding the flash point.

Incompatible materials Not available.

Hazardous decomposition No hazardous decomposition products are known,

products

11. Toxicological Information

Carcinogenicity This product is not considered to be a carcingen by IARC, ACGIH, NTP, or OSHA.

Skin corresion/Irritation Product is non-irritating.

Further information This product has no known adverse effect on human health.

Material name: Drakeoto 10 LT MIN OIL NE

Version #: 02 Revision date: 08-11-2011 Print date: 08-11-2011

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12. Ecological Information

This product has no known eco-toxicological effects.

Persistence and degradability

Not available

13. Disposal Considerations

Disposal Instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This product

in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous

waste. Dispose in accordance with all applicable regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT NON-BULK

Not regulated as dangerous goods.

DOT BULK

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2)

Not regulated

DEA Essential Chemical Code Number

Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated

DEA Exempt Chemical Mixtures Code Number

Not regulated

CERCLA (Superfund) reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No Delayed Hazard - No Fire Hazard - No.

Pressure Hazard - No Reactivity Hazard - No.

Section 302 extremely hazardous substance Section 311 hazardous Nο

chemical

Australia

Inventory status Country(s) or region Inventory name On inventory (yes/no)*

Australian Inventory of Chemical Substances (AICS) Canada Domestic Substances List (DSL) Yes Canada Non-Domestic Substances List (NDSL) No China Inventory of Existing Chemical Substances in China (IECSC) Yes

Europe European Inventory of Existing Commercial Chemical Yes Substances (EINECS) Europe European List of Notified Chemical Substances (ELINCS) Νo Inventory of Existing and New Chemical Substances (ENCS) Japan Yes Korea Existing Chemicals List (ECL)

Material name: Drakeol® 10 LT MIN OIL NF

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Yes

Yes

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Country(s) or region Inventory name On inventory (yes/no)*
New Zealand New Zealand Inventory Yes

Philippines Philippine Inventory of Chemicals and Chemical Substances Yes

(PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

"A "Yes" indicates that all components of this product compty with the Inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth

defects or other reproductive harm.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 0

Flammability: 1 Physical hazard: 0

NFPA ratings Health: 0

Flammability: 1

Instability: 0

The information in the sheet was written based on the best knowledge and experience currently

available.

Issue date 08-11-2011

This data sheet contains changes from the previous version in section(s):

Disclaimer

Physical & Chemical Properties: Multiple Properties

Material name: Drakeol® 10 LT MIN OIL NF Version #: 02 Revision date: 08-11-2011 Print date: 08-11-2011

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Premium Wax

MSDS #: 107

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Revision Date: 01-2015

MATERIAL SAFETY DATA SHEET

YALEY ENTERPRISES, INC. -

For Information call:

Phone: 714-228-1999

7664 Avianca Drive Redding, CA 96002

Fax: 714-228=1990 Emergency Telephone Number: 714-228-1999

Transportation Emergency: CHEMTRACK 949-246-9772

SECTION 1

PRODUCT INFORMATION

Product Identification: AM WAX FR 58/60 (1410 & 1420 solid)

Chemical Description: Fully Refined Paraffin Wax

CAS NUMBER: 64742-61-6

SECTION 2

HAZARDOUS INGREDIENTS

Materials or ingredients in Hazardous concentrations: NONE As defined under the following:
(1) US OSHA Hazard Communication Standard (29 C.F.R. 1910.20) (2) Canadian Hazard Products Act (S.C. 1987, c.30 (Part 1) (3) No classification under 67/548/EEC.

SECTION 3

HEALTH HAZARD DATA

This Information on effects of overexposure is consistent with the requirements under the OSHA Hazard Communication Standard (29 CFR 1910.1200). Inhalation: Avoid inhalation of fitness as they may cause mild upper respiratory irritation. Threshold exposure limit for wax fitness is 2mg/m3. Eye Contact: Molten wax fitness may slightly irritate eyes with prolonged contact. Skin Contact: Molten wax may result in thermal burns with contact. Ingestion: If swallowed wax may cause gastrointestinal disturbances.

SECTION 4

EMERGENCY & FIRST AID PROCEDURES

(1) Eye Contact: Under contact with molten wax, flush immediately with flowing water and consult physician. (2) Skin Contact: Wash skin with soap and water under normal conditions. If burned with molten wax, contact physician immediately. (3) Inhalation: Immediately obtain fresh air and if necessary administer oxygen. (4) Ingestion: Product is not acutely toxic but in necessary consult a physician.

SECTION 5

FIRE & EXPLOSION HAZARD DATA

Flash Point: > 204C (400F) Testing Method: D-92 Autoignition Temp.: AP 750degrees F(est) Extinguishing Media: Use water spray or fog, alcohol-type foam, dry chemical or CO2. Do not use water, product will float and can be reignited.

Fire fighting procedures and precautions: An approved self-contained breathing apparatus with full face piece operated in pressure-demand mode is necessary. Non-flamable apparel including helmet, bunker coats, gloves, and rubber boots is required when entering confined fire space. Keep fire exposed containers cool with water.

SECTION 6

SPILL & LEAK PROCEDURES

Procedures in the event of spilled or released: Remove all sources of ignition. Notify authorities, contain spill, and do not let spilled wax enter sewers or watercourses. Absorb with clay or sand or other appropriate material. If spill is in the molten form, confine spill until it solidifies and then recover as solid. Material can be placed in drums or other suitable container for proper disposal in compliance with Federal, State, and Local regulations. Refer to Section 3, section 8, and section 10 for other information.

SECTION 7

STORAGE & HANDLING

Material will remain stable for over one year when stored in proper conditions. Material should be stored away from extreme temperature and direct sunlight as these conditions may change properties of material especially color. Overheating wax in molten condition or maintaining material at elevated temperatures for extended periods of time may cause discoloration and oxidation. Specified materials are required for bulk storing tanks and product systems.

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SECTION 8

EMPLOYEE PROTECTION

- Respiratory protection: Under normal operating conditions, not needed. In case of emergency, use NIOSH-approved respiration when required.
- (2) Ventilation: Use of local exhaust to capture vapor, mist, or filmes is recommended. Ventilation should be sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations in the air.
- (3) Protective Clothing: Chemical resistant gloves and chemical goggles are recommended when handling material for protection against skin contact.

SECTION 9

PHYSICAL DATA

Product CAS # 64742-61-6 Appearance: white solid Odor: mild petroleum order

Melt Point: 58C

Specific Gravity: .868 water = 1

PH: N/A

Vapor Pressure (mm Hg): < 0.01 @ 25C

Vapor Density (air = 1): >5

Boiling Point: > 300C

Solubility in Water (20C); <0.1%

Evaporation Rate (Butyl Acetate): <0.01

Volatiles (By Volume); <0.01%

Coeff. Water/Oil Distribution: <0.01

SECTION 10

STABILITY & REACTIVITY

Stability: Stable. Will not react violently with water.

Conditions to Avoid: Sources of ignition.

Incompatible Materials: May react with strong oxidizers such as liquid chlorine, concentrated oxygen, sodium hypochlorite, etc., as this presents a serious explosion hazard.

Hazardous Decomposition Products: Combustion may produce carbon monoxide and other

Hazardous Polymerization: will not occur.

SECTION 11

TOXICOLOGICAL INFORMATION

Acute Studies: Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possible death.

Eye Effects: Product contacting eyes may cause eye irritation.

Skin Effects: Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an irritant by OSHA criteria.

Acute Oral Effects: Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

Acute Inhalation Effects: Product has a low order of acute dermal toxicity, but minute amounst aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possible death.

In accordance with the current OSHA Hazard Communication Standard criteria, this product does not require a cancer hazard warning. This is because the product is formulated from base stocks which are severely hydotreated, severely solvent extracted, and or processed by a mild hydrotreatment and extraction. Alternatively, it may consist of components not otherwise affected by IARC criteria, such

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as atmospheric distillates and synthetically derived materials, and as such is not characterized by current IARC classification criteria.

SECTION 12 ECOLOGICAL INFORMATION

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming. This material is a solid at ambient conditions, and should not present a major hazard to groundwater if spilled.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal method: All disposals must comply with federal, state, and local regulations. Product as supplied does not meet the characteristics of a hazardous waste as defined in 40 CFR 261.21-24. If mixed with other products, waste mixture must be characterized. DO NOT dispose of this product in drains or storm sewer. DO NOT dispose of this product in a landfill without prior solidification. Department of Transportation (DOT) Regulations may apply for transporting this material when spilled. Materials should be recycled if possible. Consider waste brokering.

SECTION 14 TRANSPORTATION INFORMATION

Department of Transportation Classification: Not hazardous if shipped at a temperature below 212F: Hazard Class: III B

DOT identification number: Not applicable if shipped at a temperature below 212F.

Special transportation Note: If shipped at over 212F in containers of over 118.9 gallons capacity, this substance will be regulated as a DOT Hazardous Substance with the following shipping description: "Elevated Temperature liquid, N.O.S., 9, UN3257, PG III."

This product is considered an oil under 49 CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3,500 gallons or more, it is subject to the requirements of Part 130. Waste Disposal Methods: See section 13.

SECTION 15 REGULATORY INFORMATION

US FEDERAL REGULATORY INFORMATION:

SARA 302 Threshold Planning Quantity: Not applicable

SARA 304 Reportable quantity: Not applicable

SARA 311 Categories: Immediate (acute) health effects: N

Delayed (Chronic) health effects: N

Fire Hazard: N

Sudden Release of Pressure Hazard: N

Reactivity Hazard: N

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

chemicals.
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSTION AND LIABILTY ACT.

(CERCLA): No chemicals in this product are subject to the reporting requirements of CERCLA. SARA TITLE III – SECTION 313 SUPPLIER NOTIFICATION: No chemicals in this product exceed

the De Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

EUROPEAN (ECC) REGULATORY INFORMATION: This product is listed on the European Inventory of existing commercial substances.

STATE/CANADIAN REGULATORY INFORMATION: No components of this material require labeling under California Proposition 65. None of the product's components are listed on the states lists from CA, FL, MA, MN, NJ, PA or on the Canadian Controlled Product Ingredient Disclosure List. DOT: Not regulated if shipped below 212F.

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SECTION 16 OTHER INFORMATION DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:

The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. Although reasonable care has been taken in the preparation of this document, we extend not warranties and make no representations as to the accuracy or completeness of the information contained therein and assume no responsibility regarding the suitability of this information for the user's intended purpose of the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).

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