



Safety Data Sheet

Issuing Date 21-Apr-2015

Revision Date 21-Apr-2015

Version 5

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product Code 60642950
Product name AUTOMATE™ RED IK HF

Recommended use of the chemical and restrictions on use

UN/ID no UN3082
Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

Details of the Supplier of the Safety Data Sheet

Keystone Corporate Office Keystone Liquid Manufacturing and Technical Facility
2501 W Fulton Street 2165 Highway 292
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

carcinogenicity	Category 2
Aspiration toxicity	Category 1

EMERGENCY OVERVIEW

signal word
WARNING

hazard statements

H304 - May be fatal if swallowed and enters airways
H351 - Suspected of causing cancer



appearance dark red liquid

Physical State Liquid

Odor aromatic

60642950 / AUTOMATE™ RED IK HF

Revision Date 21-Apr-2015

precautionary statements

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
 P271 - Use only outdoors or in a well-ventilated area
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P312 - Call a POISON CENTER or doctor if you feel unwell
 P201 - Obtain special instructions before use
 P202 - Do not handle until all safety precautions have been read and understood
 P281 - Use personal protective equipment as required
 P308 + P313 - IF exposed or concerned: Get medical advice/attention
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P331 - Do NOT induce vomiting
 P405 - Store locked up
 P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)**OTHER INFORMATION**

Harmful to aquatic life

Unknown Acute Toxicity

43.8 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on ingredients

Chemical Name	CAS-No	Weight %	Trade secret
<3% DMSO Extracts, Distillates (petroleum), hydrotreated light naphthenic (NOT carcinogenic because < 3 % DMSO as measured by IP 346 Note L of Annex 1)	64742-53-6	50-60	.
Xylene	1330-20-7	<1	.
Ethylbenzene	100-41-4	<1	.

4. First aid measures**First aid measures for different exposure routes**

General Advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary. Call a physician immediately. Immediate medical attention is not required. If skin irritation persists, call a physician.
INHALATION	If breathing is irregular or stopped, administer artificial respiration. Move to fresh air. Consult a physician. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Move victim to fresh air. If not breathing, give artificial respiration. Call a physician immediately. Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.
INGESTION	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention. Clean mouth with water and drink afterwards plenty of water. Consult a physician.

60642950 / AUTOMATE™ RED IK HF

Revision Date 21-Apr-2015

Protection of First-aiders Use personal protective equipment.**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****Suitable extinguishing media**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**

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Explosion Data**Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** YES.**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.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****Personal Precautions** Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.**Environmental Precautions****Environmental Precautions** Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas. 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** Cover liquid spill with sand, earth or other noncombustible absorbent material. Use personal protective equipment. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.**7. Handling and Storage****Precautions for Safe Handling**

60642950 / AUTOMATE™ RED IK HF

Revision Date 21-Apr-2015

Advice on safe handling Wear personal protective equipment. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

Incompatible Products Chlorinated compounds.

8. Exposure Controls/Personal Protection**Control Parameters****Exposure guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³	No information available
Ethylbenzene 100-41-4	2500	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m ³	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³

NIOSH IDLH Immediately Dangerous to Life or Health

Exposure guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

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. 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. If splashes are likely to occur, wear: Face-shield. Goggles.

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 Wear personal protective equipment. When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Remove and wash contaminated clothing before re-use.

60642950 / AUTOMATE™ RED IK HF

Revision Date 21-Apr-2015

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State	Liquid	Odor	aromatic
appearance	dark red liquid		
odor threshold	No information available		
Property			
pH	VALUES	Remarks • Method	
melting point	No information available	N/A	
Boiling point/boiling range	204 °C / 399 °F	Not Established	
Flash Point	94 °C / 201 °F	no data available	
Evaporation Rate	no data available		
flammability (solid, gas)	no data available		
Flammability Limits in Air			
Upper Flammability Limit	No information available		
Lower Flammability Limit	No information available		
vapor pressure	No information available		
Vapor Density	No information available		
Specific gravity	0.96	N/A	
Solubility in Other Solvents	No information available		
Partition coefficient: n-octanol/water	No information available		
Autoignition Temperature	No Data Available	N/A	
decomposition temperature	No information available		
Kinematic viscosity	No Data Available		
Dynamic viscosity	No information available		
Explosive Properties	No information available		
Oxidizing properties	No information available		

OTHER INFORMATION

softening point	No information available
Molecular Weight	No information available.
VOC Content(%)	No information available.
density	No information available.

10. Stability and Reactivity

Reactivity

no data available

Chemical Stability

Stable under recommended storage conditions.

Hazardous Reactions

None under normal processing

Conditions to avoid

Heat, flames and sparks.

incompatible materials

Chlorinated compounds.

Hazardous decomposition products

Carbon oxides.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information

60642950 / AUTOMATE™ RED IK HF

Revision Date 21-Apr-2015

INHALATION	Avoid breathing vapors or mists.
Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
INGESTION	Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Xylene 1330-20-7	4300 mg/kg (Rat)	No Data Available	47635 mg/L (Rat) 4 h
Ethylbenzene 100-41-4	3500 mg/kg (Rat)	15354 mg/kg (Rabbit)	17.2 mg/L (Rat) 4 h

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

Chemical Name	ACGIH	IARC	NTP	OSHA
<3% DMSO Extracts, Distillates (petroleum), hydrotreated light naphthenic (NOT carcinogenic because < 3 % DMSO as measured by IP 346 Note L of Annex 1) 64742-53-6	A2	Group 1		X
Xylene 1330-20-7		Group 3		
Ethylbenzene 100-41-4	A3	Group 2B		X

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive Toxicity No information available.

Specific target organ systemic toxicity (single exposure) No information available.

Specific target organ systemic toxicity (repeated exposure) No information available.

Chronic toxicity

Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory system, thyroid, testicles, and pituitary glands.

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 43.8 percent of the mixture consists of ingredient(s) of unknown acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	9093 mg/kg
ATEmix (dermal)	9093 mg/kg
ATEmix (Inhalation-gas)	58333 mg/l
ATEmix (Inhalation-dust/mist)	2.7 mg/l

60642950 / AUTOMATE™ RED IK HF

Revision Date 21-Apr-2015

12. Ecological Information**ecotoxicity**

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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates
<3% DMSO Extracts, Distillates (petroleum), hydrotreated light naphthenic (NOT carcinogenic because < 3 % DMSO as measured by IP 346 Note L of Annex 1) 64742-53-6		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Xylene 1330-20-7		13.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 19: 96 h Lepomis macrochirus mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static	EC50 = 0.0084 mg/L 24 h	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50
Ethylbenzene 100-41-4	4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 32: 96 h Lepomis macrochirus mg/L LC50 static 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	1.8 - 2.4: 48 h Daphnia magna mg/L EC50

Persistence and Degradability

No information available.

Bioaccumulation

Bioaccumulative Potential.

Chemical Name	Log Pow
Xylene 1330-20-7	2.77 - 3.15
Ethylbenzene 100-41-4	3.118

Other Adverse Effects

No information available

13. Disposal Considerations**Waste treatment**

60642950 / AUTOMATE™ RED IK HF

Revision Date 21-Apr-2015

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.

US EPA Waste Number U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Xylene 1330-20-7		Included in waste stream: F039		U239
Ethylbenzene 100-41-4		Included in waste stream: F039		

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Xylene 1330-20-7	Toxic Ignitable
Ethylbenzene 100-41-4	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT
UN/ID no UN3082
Proper Shipping Name Environmentally hazardous substances, liquid, n.o.s.
Hazard class 9
Packing group III
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Xylene), 9, PG III

MEX

IATA
Description NOT REGULATED

IMDG
Description NOT REGULATED

RID

ADN

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

60642950 / AUTOMATE™ RED IK HF

Revision Date 21-Apr-2015

Legend

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/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 ENCS - Japan Existing 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
Ethylbenzene	0.1

SARA 311/312 Hazard Categories

Acute health hazard	YES.
Chronic health hazard	YES.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene	100 lb			X
Ethylbenzene	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Xylene	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Ethylbenzene	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Ethylbenzene	Carcinogen

60642950 / AUTOMATE™ RED IK HF

Revision Date 21-Apr-2015

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
<3% DMSO Extracts, Distillates (petroleum), hydrotreated light naphthenic (NOT carcinogenic because < 3 % DMSO as measured by IP 346 Note L of Annex 1)	X			X	
Xylene	X	X	X	X	
Ethylbenzene	X	X	X	X	

International regulations

Mexico - Grade

Slight risk, Grade 1.

Chemical Name	Carcinogen Status	Exposure limits
Xylene		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m ³ Mexico: STEL 150 ppm Mexico: STEL 655 mg/m ³
Ethylbenzene		Mexico: TWA 100 ppm Mexico: TWA 435 mg/m ³ Mexico: STEL 125 ppm Mexico: STEL 545 mg/m ³

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

D2A Very toxic materials



Chemical Name	NPRI
Ethylbenzene	X

Legend

NPRI - National Pollutant Release Inventory

HMIS

Health Hazard 1*

flammability 1

Physical hazard 0

PERSONAL
PROTECTION H

60642950 / AUTOMATE™ RED IK HF

Revision Date 21-Apr-2015

16. Other Information

Revision Date 21-Apr-2015
Revision note No information available.
Restrictions on use No information available.
Contact Information Website WWW.DYES.COM.

Disclaimer

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

04/22/2015 10:39 FAX 530 365 6483

YALEY ENTERPRISES

002

Premium Wax

1

Revision Date: 01-2015

MSDS #: 107

MATERIAL SAFETY DATA SHEET**YALEY ENTERPRISES, INC.**7654 Avianca Drive
Redding, CA 96002

For Information call:

Phone: 714-228-1999

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 fumes as they may cause mild upper respiratory irritation. Threshold exposure limit for wax fumes is 2mg/m3. **Eye Contact:** Molten wax fumes 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-flammable 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.

04/22/2015 10:39 FAX 530 365 6483

VALEY ENTERPRISES

003

2

SECTION 8 EMPLOYEE PROTECTION

- (1) **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 fumes 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 asphyxiants.
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 amount 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 hydrotreated, 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

04/22/2015 10:40 FAX 530 365 6483

YALEY ENTERPRISES

004

3

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.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSTION AND LIABILITY 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.

04/22/2015 10:40 FAX 530 365 6483

YALEY ENTERPRISES

005

4

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 or the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).