



# 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**

40640743

**Product name**

AUTOMATE™ GREEN HFX

**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

2501 W Fulton Street

Chicago, IL 60612

Keystone Liquid Manufacturing and Technical Facility

2165 Highway 292

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
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1

**EMERGENCY OVERVIEW****signal word**

WARNING

**hazard statements**

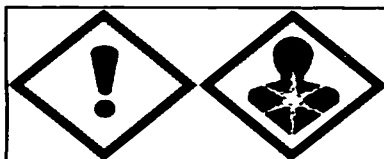
H304 - May be fatal if swallowed and enters airways

H351 - Suspected of causing cancer

May cause respiratory irritation. May cause drowsiness or dizziness

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appearance Green

Physical State Liquid

Odor aromatic

**precautionary statements**

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  
 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  
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
 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**

Very toxic to aquatic life

**Unknown Acute Toxicity**

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

**3. Composition/Information on Ingredients**

Chemical Name	CAS-No	Weight %	Trade secret
Naphtha (petroleum), heavy aromatic	64742-94-5	50-60	*

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

<b>General Advice</b>	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.
<b>Eye Contact</b>	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.
<b>Skin Contact</b>	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is not required. If skin irritation persists, call a physician.
<b>INHALATION</b>	Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. 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.

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**INGESTION** Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

**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. (CO<sub>2</sub>). 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** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. 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**

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**Advice on safe handling** Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. 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
GLYCOL ETHER DPM 34590-94-8	100 ppm 606 mg/m <sup>3</sup> TWA 150 ppm 909 mg/m <sup>3</sup> STEL	Not Established	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m <sup>3</sup> STEL: 150 ppm STEL: 900 mg/m <sup>3</sup>

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.

## 9. Physical and Chemical Properties

**Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	aromatic
<b>appearance</b>	Green		
<b>odor threshold</b>	No information available		

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<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>
pH	No information available	
melting point		N/A
Boiling point/boiling range	< 220 °C / 428 °F	
Flash Point	< 94 °C / < 201 °F	
Evaporation Rate	no data available	
flammability (solid, gas)	no data available	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	No information available	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	
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**

<b>INHALATION</b>	Avoid breathing vapors or mists.
<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	May be harmful in contact with skin.

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<b>INGESTION</b>		Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.	
<b>Chemical Name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
GLYCOL ETHER DPM 34590-94-8	5230 mg/kg ( Rat )	9500 mg/kg ( Rabbit )	No Data Available

**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 toxicity (single exposure)** No information available.  
**Specific target organ systemic toxicity (repeated exposure)** No information available.  
**Target organ effects** Central Nervous System, EYES, Respiratory System.  
**Aspiration Hazard** Risk of serious damage to the lungs (by aspiration). May be fatal if swallowed and enters airways.

**Numerical Measures of Toxicity - Product information**

**Unknown Acute Toxicity** 43.455 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)** 8862 mg/kg  
**ATEmix (dermal)** 3672 mg/kg  
**ATEmix (inhalation-gas)** 698  
**ATEmix (inhalation-dust/mist)** 8.7

**12. Ecological Information****ecotoxicity**

43.455% 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
Naphtha (petroleum), heavy aromatic 64742-94-5	2.5: 72 h Skeletonema costatum mg/L EC50	19: 96 h Pimephales promelas mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50 1740: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 41: 96 h Pimephales promelas mg/L LC50		0.95: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical Name	Log Pow
Naphtha (petroleum), heavy aromatic 64742-94-5	2.9 - 6.1

**Other Adverse Effects** No information available

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**13. Disposal Considerations****Waste treatment****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**

U165

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
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.

**14. TRANSPORT INFORMATION****DOT**

UN/ID no UN3082  
 Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 Hazard class 9  
 Packing group III  
 Description UN3082, environmental hazardous substance, liquid, n.o.s., (naphtha, naphthalene), 9, PG III Marine Pollutant  
 Emergency Response Guide Number 171

**TDG**

UN/ID no UN3082  
 Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 Hazard class 9  
 Packing group III  
 Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Naphtha (petroleum), heavy aromatic, AUTOMATE™ BLUE 8AHF), 9, III, Marine Pollutant

**MEX**

UN/ID no UN3082  
 Proper Shipping Name Environmentally hazardous substances, liquid, n.o.s.  
 Hazard class 9  
 Packing group III  
 Description UN3082, Environmentally hazardous substances, liquid, n.o.s. (Naphtha (petroleum), heavy aromatic, AUTOMATE™ BLUE 8AHF), 9, III

**ICAO**

UN/ID no UN3082  
 Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 Hazard class 9  
 Packing group III  
 Description UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III

**IATA**

UN/ID no UN3082  
 Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 Hazard class 9  
 Packing group III  
 Description UN3082, environmentally hazardous liquid, n.o.s., (naphtha, naphthalene), 9 , PG III

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**IMDG**

<b>UN/ID no</b>	UN3082
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Hazard class</b>	9
<b>Packing group</b>	III
<b>EmS No.</b>	F-A, S-F
<b>Description</b>	UN3082, Environmentally hazardous liquid, n.o.s., (naphtha, naphthalene), 9, PG III, marine pollutant

**RID**

<b>UN/ID no</b>	UN3082
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Hazard class</b>	9
<b>Packing group</b>	III
<b>Classification Code</b>	M6
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Naphtha (petroleum), heavy aromatic, AUTOMATE™ BLUE 8AHF), 9, III

**ADR**

<b>UN/ID no</b>	UN3082
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Hazard class</b>	9
<b>Packing group</b>	III
<b>Classification Code</b>	M6
<b>Tunnel restriction code</b>	(E)
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Naphtha (petroleum), heavy aromatic, AUTOMATE™ BLUE 8AHF), 9, III, (E)
<b>ADR/RID-Labels</b>	9

**ADN**

<b>UN/ID no</b>	UN3082
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>Hazard class</b>	9
<b>Packing group</b>	III
<b>Classification Code</b>	M6
<b>Special Provisions</b>	274, 335, 601
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Naphtha (petroleum), heavy aromatic, AUTOMATE™ BLUE 8AHF), 9, III
<b>Limited quantity</b>	5 L

**15. Regulatory Information****International Inventories**

<b>TSCA</b>	Listed
<b>EINECS/ELINCS</b>	Not Determined
<b>DSL</b>	Listed
<b>NDSL</b>	Not Determined
<b>PICCS</b>	Listed
<b>ENCS</b>	Not Determined
<b>IECSC</b>	Listed
<b>AICS</b>	Listed
<b>KECL</b>	Listed
<b>NZIoC</b>	Not Determined

**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/NDSL** - 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



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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 %
GLYCOL ETHER DPM	1.0

#### 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

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

#### CERCLA

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

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

### U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
GLYCOL ETHER DPM	X	X	X	X	

### International regulations

Mexico - Grade      Slight risk, Grade 1.

#### CANADA

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**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

**Legend**

NPRI - National Pollutant Release Inventory

HMIS

Health Hazard 2\*

flammability 1

Physical hazard 0

**PERSONAL  
PROTECTION H****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

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YALEY ENTERPRISES

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*Premium Wax*

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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 &amp; 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: &gt; 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.

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YALEY ENTERPRISES

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**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

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VALEY ENTERPRISES

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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.

**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 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).