lavender 60987-6041

KEYSTONE

SAFETY DATA SHEET

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HMIS RATINGS: HEALTH: 1 * FIRE: 1 REACTIVITY: 0 PERSONAL PROTECTION: F

SECTION 1: PRODUCT IDENTIFICATION

Product I.D.:	70601350
Product Name:	S S VIOLET BAC
Product Description:	Powdered Solvent Violet Colorant
C.I. Name:	Solvent Violet 13
C.I. Number:	60725
Chemical Family:	Anthraquinone dye
CAS Number:	81-48-1
Effective Date:	01/23/13

SECTION 2: HAZARD IDENTIFICATION AND EMERGENCY OVERVIEW

Emergency Overview:

May cause abrasive eye irritation, and allergic skin reactions in sensitive individuals (especially after prolonged/repeated contact).

Eye Contact:

In powder, granule, or pellet form, unprotected contact may cause mechanical irritation including redness, discomfort, scratching of the cornea , watering and itching. Effects may vary depending on personal sensitivity. Take precautions against possible irritation or eye injury by following ALL Personal Protection instructions in Section 8.

Skin Contact:

Depending on amount and length of direct, unprotected contact, vapors, mists, splashes, aerosols, or dusts of product may cause varying degrees of irritation, possible ALLERGIC REACTIONS in some individuals, redness, rash, itching, burning feeling, drying, cracking, pain, swelling, or other effects in some sensitive individuals. Prolonged or repeated contact may cause inflammation, or other effects in some persons.

Inhalation:

Health effects from unprotected inhalation of dusts, vapors, mists or aerosols of this product have not been determined. As a precaution against the possibility of unknown irritation, hypersensitivity, allergic reactions, or other unforeseen health effects, follow ALL supervisor instructions, and Section 8 SDS instructions for use of Personal Protective Equipment to protect your respiratory system when working with this product.

Ingestion:

Not expected to be a hazard with proper handling and good chemical hygiene procedures being followed. Wear appropriate, chemically impervious gloves to avoid accidental transferring and swallowing of chemical residue. This chemical may be a greater health hazard if swallowed deliberately, or in a large amount. In such cases, some effects may parallel those of inhalation or skin absorption.

SAFETY DATA SHEET (continued)

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S S VIOLET BAC

Medical Conditions Aggravated by Exposure:

Depending on individual sensitivity, eye or skin contact with vapors, mists, aerosols, liquids, splashes or dusts of product may aggravate the following pre-existing medical conditions: Chronic skin conditions or diseases, and eye conditions or diseases. Individuals with such conditions, or with known or suspected chemical sensitivities or allergies should avoid working with or being exposed to any chemicals.

Skin Sensitization:

Contact may cause SKIN SENSITIZATION OR ALLERGIC REACTIONS in some individuals. Effects may include redness, swelling, itching, rash and hives. It may take repeated or prolonged exposure to cause health effects. Sensitization or allergic reactions may be unpredictable. If symptoms appear, immediately remove person from area of contact, follow Section 4 instructions and get medical attention as a precaution. Persons known to have or suspected of chemical sensitivity or allergy should not work with chemicals.

Respiratory Sensitization:

Respiratory sensitization caused by inhalation of product dust, vapors, mists or aerosols has not been determined. As a precaution against aggravating existing respiratory conditions, hypersensitivity, allergic reactions, or other unforeseen health effects, be sure to read, understand and follow all supervisor instructions, and instructions for wearing Personal Protective Equipment and clothing in Section 8 of this SDS. Avoid inhalation of product in any form. Allergic reactions and sensitivity depend on individuals and can be unpredictable.

Special Warnings:

None for this material

Unusual Health Hazards:

None for this material

Supplemental Hazard

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 *****

SECTION 3: OSHA HAZARDOUS INGREDIENTS

Component	CAS Number	Wt %	OSHA - PEL	ACGIH - TLV	Recommended PEL
Solvent Violet 13	81-48-1	100.00%	15mg/m3 TWA Total dust 5mg/m3 Respirable	10mg/m3 TWA Total dust 3mg/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 can reduce or eliminate risk. Use protective equipment and clothing in Section 8 to minimize or eliminate 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. Hazards range from 0 (Minimal) up to 4 (Severe). Consult the National Paint & Coatings Association HMIS Manual for detailed information on ratings. To handle material safely, consider all information in this SDS.

SECTION 4: FIRST AID INSTRUCTIONS

Eye Contact:

Immediately rinse with flowing water for at least 15 minutes while holding eyelids open. Get immediate medical attention, as a precaution.

SAFETY DATA SHEET (continued)

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Skin Contact:

Immediately remove contaminated clothing. Wash affected area with soap and rinse with plenty of water. Get medical attention, as a precaution.

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.

SECTION 5: FIRE FIGHTING INSTRUCTIONS

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.

SECTION 6: ACCIDENTAL SPILL OR RELEASE INSTRUCTIONS

Special Precautions:
None known. Follow general precautions shown below.

Static Discharges:
IMPORTANT - GUARD AGAINST FIRE AND EXPLOSION: Take precautionary measures against static discharges when cleaning up leaks or spills of powders, combustibles, or flammable liquids. Containers should be properly grounded with metal straps, cables or other appropriate means to relieve static electricity build-up 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 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.

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.

Clean up:
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.

SECTION 7: HANDLING AND STORAGE

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.

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 with 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.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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.

Eye 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.

Skin Protection:

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.

Respiratory Protection:

Depending on type of material handled and processing conditions, it is recommended that an appropriate NIOSH approved organic vapor/mist respirator, or dust respirator (with proper filters as required) be worn when exposure to product is expected. After each shift or when equipment becomes contaminated, clean respirator and replace filters in compliance with 29 CFR 1910.134. The type or extent of protection needed should be determined by the product end-user or shift supervisor.

Eye Washes and Other Protection:

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:

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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 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.

Airborne Exposure Limits:

Not referenced in literature

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

pH:	7.0
% Total VOC:	0
% Total Solids / Non-Volatiles:	100
Appearance:	Violet
Bulk Density:	0.34 g/cc (g/cm/3)
Odor:	None
Freezing/Melting Point:	171°F
Flash Point:	Not applicable
Solubility:	Insoluble in water. Soluble in certain organic solvents
Other Properties:	No further data
Other Components:	Not applicable
Decomposition Temperature:	Not Established

All Data shown above are typical values, not specifications.

SECTION 10: STABILITY AND REACTIVITY

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.

Hazardous Polymerization:

Product will not undergo polymerization.

Conditions to Avoid:

Incompatibles

Incompatible Materials:

Oxidizing & reducing agents may destroy color.

Hazardous Decomposition Products:

In fire: oxides of carbon & nitrogen

Possible Hazard Reactions:

None known

SECTION 11: TOXICOLOGICAL INFORMATION

Component	Eye Effect	Skin Effect	Skin Sens	Resp Sens	Oral LD50	Inh LC50	Mutagen	Other Tox Data	Other Info

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Solvent Violet 13	Irritation, inflammation expected. NTP M970018	May be irritant. NTP M970018	Potential senitizer. NTP M970018	No Data	Expected > 2000 mg/kg (Rat)	No Data	Positive and negative mutagenicity in bacteria. Human relevance unknown. NTP M970018, RTECS CB7700000	Intratracheal LD50 250 mg/kg (Rat)	Some reports of human allergic reactions. NTP M970018

SECTION 12: ECOLOGICAL DATA

Component	AOX	Aquatic Tox	BOD	Biodeg.	COD	Ecotoxicity	Sewage	Other Test Data	Other Info
*** No Data ***									

SECTION 13: DISPOSAL AND ENVIRONMENTAL CONSIDERATION

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.

Disposal Methods:

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

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

SECTION 14: SHIPPING AND TRANSPORTATION INFORMATION

DOT Regulations (Ground):
NOT REGULATED

IATA Regulations (Air):
NOT REGULATED

IMDG / IMO Regulations (Water):
NOT REGULATED

SECTION 15: REGULATORY INFORMATION

Component	CAS number	Weight %	Regulatory List
Solvent Violet 13	81-48-1	100	No listings known to be applicable

SARA 311/312 Hazard Categories:

SAFETY DATA SHEET (continued)

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S S VIOLET BAC

Immediate/Acute Health Hazard:	YES
Chronic/Delayed Hazard:	YES
Fire Hazard:	NO
Sudden Release of Pressure Hazard:	NO
Reactivity Hazard:	NO

GLOBAL CHEMICAL REGISTRATION LISTINGS:

AICS (Australia):	Components listed
ASIA-PAC (Asia Pacific):	Components listed
DSL (Canada):	Components listed
ECL (Korea):	Components listed
EINECS (Europe):	Components listed
ENCS (Japan):	Components listed
IECSC (China):	Components listed
NZIoC (New Zealand):	Components listed
PICCS (Philippines):	Components listed
TSCA (US):	Components listed

OTHER:
No additional information applies, or no supplemental information is available at this time.

Additional Info:

For additional international, federal or state regulatory compliance information not shown: Call 312-666-2015.

SECTION 16: OTHER INFORMATION

Reason for Revision:	Section 9 review
Reviewed:	01/23/13

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 Material 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.

END OF MSDS

Material Safety Data Sheet

ACME HARDESTY
OLEOCHEMICALS
450 Sentry Parkway
Blue Bell, PA 19422
www.acme-hardesty.com
Tel. 215.591.3610
Fax: 215.591.3620

PRODUCT NAME: TRIPLE PRESSED STEARIC ACID VEG

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME:	TRIPLE PRESSED STEARIC ACID VEG
CAS #:	57-11-4
EINECS#;	200-313-4
DATE:	April 7, 2008
DISTRIBUTOR:	ACME-HARDESTY COMPANY
ADDRESS:	450 Sentry Parkway Blue Bell, PA 19422
TELEPHONE:	(866) 226-3834
FAX:	(215) 591 – 3620
EMERGENCY:	CHEMTREC (800) 424-9300

COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION	CHEMICAL FORMULA	CAS#	PROPORTION	EC#	EC SYMBOL/R-PHRASE
Hexadecanoic Acid +	$C_{16}H_{32}O_2/CH_3(CH_3)_{14}COOH$	67701-03-5	27 – 66	266-928-5	Not Applicable
Octadecanoic Acid	$C_{18}H_{36}O_2/CH_3(CH_2)_{16}COOH$		32 – 72		

SYNONYM: Palmitic Acid 55%

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Special hazards for man and environment: None

PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE:	Waxy, white crystalline solid
ODOR:	Slight bland-like odor
SOLUBILITY:	Soluble in ethanol, ether and most organic solvents Insoluble in water (20°C)
BOILING POINT, °C:	>300
MELTING POINT, °C	55 – 60
VAPOR PRESSURE (mm of Hg @ 131°C):	<1.0
% VOLATILES:	Not known
EVAPORATION RATE:	Not known
VAPOUR DENSITY:	Not known
DENSITY, g/ml @ 75°C:	0.85
FLASH POINT, °C (Pensky-Kartens Closed Cup):	>200°C
AUTO-IGNITION TEMPERATURE, °C:	>250°C
VISCOSITY, mPa.s @ 65°C:	8.04
MOLAR MASS:	256.4 – 284.5

MATERIAL SAFETY DATA SHEET
TRIPLE PRESSED STEARIC ACID VEG
April 7, 2008
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FIRST AID MEASURES

INGESTION:	Rinse mouth, drink plenty of water, see physician. Do not give anything by mouth to an unconscious person.
EYE CONTACT:	Flush with water, take to a doctor if necessary.
SKIN CONTACT:	Remove contaminated clothing, flush skin with water or shower, take to a doctor if necessary.
INHALATION:	Not relevant.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Dry powder, carbon dioxide or foam, water spray jet
SPECIAL HAZARD:	Liquid product may have temperature exceeding 50°C

ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS:	Avoid contact with skin and eyes.
ENVIRONMENT PRECAUTIONS:	Do not allow to flow into drainage system.
CLEAN-UP METHODS:	Collect leakage in sealable containers. Soak up with sand or other inert absorbent and remove to safe place. Wash site with sodium bicarbonate solution or soda ash. Spillage may be allowed to solidify; then shovel into containers. Clean up area immediately.

HANDLING AND STORAGE

HANDLING:	Avoid open flames. Use gloves and wear goggle when handling. Always work safely around open hatches on bulk tanks. The low density makes floatation difficult for immersed person.
STORAGE:	Keep in a cool and dry place, avoid extreme heat and cold. Store in a clean, dry, preferably stainless steel vessel. In bulk, store at about 5-10°C above melting point or at ambient temperature. Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure.

EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMIT:	Not applicable
INDUSTRIAL HYGIENE:	Normal standard of industrial hygiene to be observed

PERSONAL PROTECTIVE EQUIPMENT:

HAND/SKIN PROTECTION:	Use rubber gloves
EYE PROTECTION:	Wear approved safety goggles and face shield

STABILITY AND REACTIVITY

CONDITIONS TO AVOID:	Avoid direct fire.
MATERIALS TO BE AVOIDED:	None known if used for its intended purpose.
DECOMPOSITION PRODUCTS:	None known if used for its intended purpose.

MATERIAL SAFETY DATA SHEET
TRIPLE PRESSED STEARIC ACID VEG
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DISPOSAL INFORMATION

Disposal method in accordance with all applicable notional environment laws and regulations

TOXICOLOGICAL INFORMATION

TOXICITY DATA:	LD 50 (oral, rat) = 10000 mg/kg
CARCINOGENICITY:	None
REPRODUCTIVE EFFECTS:	No harmful effects expected
EFFECT OF OVER-EXPOSURE:	No harmful effects expected
CHRONIC EFFECTS:	No harmful effects expected
TARGET ORGANS:	Not Applicable

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No special requirements.

ECOLOGICAL INFORMATION

ECOTOXICITY: Acute fish toxicity: LC 50 > 100mg product/liter
Acute bacteria toxicity: EC 50 > 100mg product/liter

BIODEGRADABILITY: Biodegradable

TRANSPORT INFORMATION

Not a hazardous material according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI / IATA-DGR

REGULATORY INFORMATION

Palm Kernel / Palm based blended fatty acids is classified under non-hazardous chemical

EUROPEAN INFORMATION: Based on toxicological studies I the published literature, there are no risk and safety phrases to assign this product.

All components of this product are listed on the following inventories:
TSCA (Toxic Substances Control Act)
DSL (Canada)
EINECS/ELINCS (Europe)
AICS (Australia)

OTHER INFORMATION

Always work safely around open hatches on bulk tanks. The low density makes flotation difficult for immersed person.

HMIS Information: Health: 1 Flammability: 1 Reactivity: 0

NFPA Information Health: 1 Flammability: 1 Reactivity: 0

" Not Listed on CA Prop 65"

Premium Wax

1

Revision Date: 01-09

MSDS #: 107

MATERIAL SAFETY DATA SHEET

Emergency Telephone Number: 1-800-828-7188

SECTION 1 PRODUCT INFORMATION

Product Identification: FR 58/60P

Chemical Description: Hydrotreated Paraffin wax

Composition: Petroleum Hydrocarbons

CAS NUMBER: 64742-51-4

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 I) (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: > 450 degrees F. 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.

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 # 64742-51-4
Appearance: white solid
Odor: little or none
Specific Gravity @ 16 C: n/a
Vapor pressure: mm Hg @ 20: N/A
Melt Point: 58C to 60C
Solubility in water: negligible
Boiling Point: IBP N/A
Auto Ignition Temprature: > 750F
Flash Point: > 450F
Percent Volatiles: N/A
Volatile Organic Compounds (VOC) Content: Nil
Evaporation Rate: N/A
pH: N/A

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 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

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.
COMPRREHENSIVE 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).