



MATERIAL SAFETY DATA SHEET

MSDS NUMBER 75

Revision Date: 08/28/2001

24 HOUR EMERGENCY ASSISTANCE:

800-633-8253

GENERAL MSDS ASSISTANCE:

Dion & Sons, Inc.

562-432-3946

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

AMBER C14 LIQUID PARAFFIN

CHEM NAME:

C₁₄ - C₁₆ Paraffins

SYNONYMS:

Mixture of Tetradecane, Pentadecane and Hexadecane

HEALTH HAZARD: 1

FIRE HAZARD: 1

REACTIVITY: 0

Company Identification:

Dion & Sons, Inc.

1543 W 16th Street

Long Beach, CA 90813

Product Information:

Technical Information & MSDS Requests: (562) 432-3946

SECTION 2

COMPOSITION/ INFORMATION ON INGREDIENTS

NO	COMPONENT	CAS NUMBER	AMOUNT
P	C ₁₄ - C ₁₆ Paraffins	90622-46-1	100 % weight

SECTION 3

HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Appearance & Odor: Water white oily liquid. Mild hydrocarbon odor

Health Hazards: No known immediate health hazards.

Physical Hazards: No known physical hazards.

NFPA HAZARD RATING: HEALTH 1 FIRE 1 REACTIVITY 0

Hazard Rating: Least - 0 Slight - 1 Moderate - 2 High - 3 Extreme - 4

Inhalation: Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.

Eye Irritation: Lubricating oils are generally considered no more than minimally irritating to the eyes.

Skin Contact: Lubricating oils are generally considered no more than minimally irritating to the skin. Prolonged and repeated contact may result in defatting and drying of the skin that may cause various skin disorders such as dermatitis, folliculitis or oil acne.

Ingestion: Lubricating oils are generally no more than slightly toxic if swallowed.

Signs and Symptoms: Irritation as noted above. Local necrosis is evidenced by delayed onset of pain and tissue

damage a few hours following injection.

Aggravated Medical Conditions: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

For additional health information, refer to section 11.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: FLUSH EYES WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING/SHOES WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE; DO NOT WAIT FOR SYMPTOMS TO DEVELOP.

INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

NOTE TO PHYSICIAN: IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PRODUCTS, I.E., MOST OILS AND GREASES.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point [Method]: 250 °F/121 °C [PM]

Extinguishing Media: Material will float and can be re-ignited on surface of water. Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO₂) to extinguish flames. Do not use a direct stream of water.

Fire Fighting Instructions: Material will not burn unless preheated. Clear fire area of all non-emergency personnel. Only enter confined fire space with full gear, including a positive pressure, NIOSH-approved, self-contained breathing apparatus. Cool surrounding equipment, fire-exposed containers and structures with water. Container areas exposed to direct flame contact should be cooled with large quantities of water (500 gallons water per minute flame impingement exposure) to prevent weakening of container structure.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: May burn although not readily ignitable.

Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Spill Management: FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

Reporting: CERCLA: Product is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) petroleum exclusion. Releases to air, land, or water are not reportable under CERCLA (Superfund).

CWA: This product is an oil as defined under Section 311 of EPA's Clean Water Act (CWA). Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center, 1-800-424-8802.

SECTION 7

HANDLING AND STORAGE

Precautionary Measures: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking.

Storage: Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures. Product will freeze at 47°F (8°C)

Container Warnings: Keep containers closed when not in use. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Oil mist, mineral	ACGIH TLV	TWA:	5 mg/m ³	STEL: 10 mg/m ³
Oil mist, mineral	OSHA PEL	TWA:	5 mg/m ³	

EXPOSURE CONTROLS

Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

PERSONAL PROTECTION

Personal protective equipment (PPE) selections vary based on potential exposure conditions such as handling practices, concentration and ventilation. Information on the selection of eye, skin and respiratory protection for use with this material is provided below.

Eye Protection: Chemical Goggles, or Safety Glasses

Skin Protection: Use protective clothing which is chemically resistant to this material. Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other items. The selection(s) should take into account such factors as job task, type of exposure and durability requirements.

Published literature, test data and/or glove and clothing manufacturers indicate the best protection is provided by: Neoprene, or Nitrile Rubber

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Types of respirator(s) to be considered in the selection process include: For Mist: Air Purifying, R or P style NIOSH approved respirator. For Vapors: Air Purifying, R or P style prefilter & organic cartridge, NIOSH approved respirator. Self-contained breathing apparatus.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Water white, oily liquid. Mild hydrocarbon odor

Substance Chemical Family: Petroleum Hydrocarbon

Boiling Point: 490 - 542 °F (254 - 283 °C)

Melting Point: 48 - 50 °F (8 - 10 °C)

Vapor Pressure (mm Hg): 0.05 @ 68 °F

Vapor Density (Air=1): 7 - 8

Solubility in Water: Negligible

Flash Point: 250 °F (121 °C) / PM

Specific Gravity: 0.773@ 60 °F

Viscosity: 2.5 - 2.7cSt @ 104 °F (40 °C)

SECTION 10 REACTIVITY AND STABILITY

Stability: Material is stable under normal conditions.

Conditions to Avoid: Avoid heat and open flames.

Materials to Avoid: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. Carbon Monoxide, Carbon Dioxide and other unidentified organic compounds may be formed upon combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity

Dermal LD50	>2 g/kg(Rabbit)	OSHA: Non-Toxic Based on components(s)
Oral LD50	>5.0 g/kg(Rat)	OSHA: Non-Toxic Based on components(s)

Carcinogenicity Classification

C₁₄ - C₁₆ Paraffins

NTP: No	IARC: Not Reviewed	ACGIH: No	OSHA: No
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Toxic Effects - Amber C14 Paraffin

Sensitization

Not a skin sensitizer.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Summary: There is no ecological data available for this product. However, this product is an oil. It is persistent and does not readily biodegrade. However, it does not bioaccumulate.

SECTION 13 DISPOSAL CONSIDERATIONS

RCRA Information:

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, etc. may affect the classification. Refer to the latest EPA, state and local regulations regarding proper disposal.

SECTION 14**TRANSPORT INFORMATION**

US Department of Transportation Classification

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

International Air Transport Association

Not regulated under IATA rules.

International Maritime Organization Classification

Not regulated under International Maritime Organization rules.

SECTION 15**REGULATORY INFORMATION****FEDERAL REGULATORY STATUS**

OSHA Classification: Product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200, because it carries the occupational exposure limit for mineral oil mist.

Ozone Depleting Substances (40 CFR 82 Clean Air Act): This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title III: There are no components in this product on the SARA 302 list.

SARA Hazard Categories (311/312): Immediate Health:NO Delayed Health:NO Fire:NO Pressure:NO Reactivity:NO

SARA Toxic Release Inventory (TRI) (313): There are no components in this product on the SARA 313 list.

Toxic Substances Control Act (TSCA) Status: This material is listed on the EPA/TSCA Inventory of Chemical Substances.

Other Chemical Inventories: Australian AICS, Canadian DSL, Chinese Inventory, European EINECS, Japan ENCS, Korean Inventory, Philippines PICCS

State Regulation

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): No ingredients listed in this section.

CALIFORNIA AIR RESOURCES BOARD Title 17, Article 2, Section 94510 Consumer Products: This product is VOC exempt by 94510 (d)(1) as it has a vapor pressure below 0.1 mm Hg at 20 °C.

SECTION 16**OTHER INFORMATION**

HMIS Rating (Health, Fire, Reactivity): 1, 1, 0

Revision Date: 08/28/2001

Revisions since last change (discussion): This Material Safety Data Sheet (MSDS) has been newly reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-1998). We encourage you to take the

opportunity to read the MSDS and review the information contained therein.

SECTION 17

LABEL INFORMATION

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) FOR USE IN THE WORKPLACE. THIS LABEL IS NOT INTENDED TO BE USED WITH PACKAGING INTENDED FOR SALE TO CONSUMERS AND MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT SAFETY ACT OR OTHER RELATED REGULATORY REQUIREMENTS.

Amber C14 Liquid Paraffin

ATTENTION!

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE OIL ACNE OR DERMATITIS.

Precautionary Measures: Avoid prolonged or repeated contact with eyes, skin and clothing. Wash thoroughly after handling.

FIRST AID

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Skin Contact: Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment.

Eye Contact: Flush with water. If irritation occurs, get medical attention.

Ingestion: Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested. However, get medical attention.

FIRE

In case of fire, Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO₂) to extinguish flames. Do not use a direct stream of water. Material will float and can be re-ignited on surface of water.

SPILL OR LEAK

Dike and contain spill.

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

NFPA Rating (Health, Fire, Reactivity): 1, 1, 0

HMIS Rating (Health, Fire, Reactivity): 1, 1, 0

TRANSPORTATION

US Department of Transportation Classification

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from

residues. Do not pressurize or expose to open flames or heat. Keep container closed and drum bungs in place.

Name and Address

DION & SONS, INC.
1543 W 16th Street
Long Beach, CA 90813

TRANSPORTATION EMERGENCY 800-633-8253

HEALTH EMERGENCY 800-633-8253

ADMINISTRATIVE INFORMATION

COMPANY ADDRESS: Dion & Sons, Inc., 1543 W 16th Street, Long Beach, CA, 90813
Company Product Stewardship & Regulatory Compliance Contact: George Holder
Phone Number: (562)432-3946

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