Safety Data Sheet

Low Temp Grease

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : **Low Temp Grease**

Supplier : ValPar
PO Box 3856, Hwy #1 East
Regina, SK S4P 3R8
CANADA

Telephone : 877-685-4886

Product/MSDS Information : 306-791-5911

Canutec (24 hr) : 613-996-6666

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	30 - 60% weight
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10 - 30% weight
Titanium dioxide	13463-67-7	0.1 - 1% weight

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

3. HAZARDS IDENTIFICATION

Physical state : Solid. [Semi-solid gel.]

Odor : Petroleum. [Slight]

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview : MAY CAUSE EYE AND SKIN IRRITATION. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER.

Avoid exposure - obtain special instructions before use. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Risk of cancer depends on duration and level of exposure. Wash thoroughly after handling.

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : Slightly irritating to the skin.

Eyes : Slightly irritating to the eyes.

Potential chronic health effects

Chronic effects : No known significant effects or critical hazards.

Carcinogenicity : Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No specific data.

Ingestion : No specific data.

Skin : Adverse symptoms may include irritation and redness

Eyes : Adverse symptoms may include irritation, watering and redness

Medical conditions aggravated by over-exposure : None known.

See toxicological information (Section 11)

4. FIRST AID MEASURES

Eye contact : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Protection of First-Aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Notes to Physician : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE FIGHTING MEASURES

Flammability of Product : May be combustibile at high temperature.

Extinguishing Media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Hazardous thermal decomposition products : Oxides of carbon, lithium, sulfur, zinc, molybdenum, hydrogen sulfide

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

Handling : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product name

Distillates (petroleum), hydrotreated light paraffinic

Exposure limits

ACGIH TLV (United States)

TWA: 5 mg/m³ 8 hour(s). Form: Mist

OSHA PEL (United States)

TWA: 5 mg/m³ 8 hour(s). Form: Mist

Distillates (petroleum), hydrotreated heavy naphthenic	**OSHA PEL (United States)** STEL: 10 mg/m³ TWA: 5 mg/m³
Titanium dioxide	**ACGIH TLV (United States, 1/2007)** TWA: 10 mg/m³ 8 hour(s). **OSHA PEL (United States, 11/2006)** TWA: 15 mg/m³ 8 hour(s). Form: Total dust

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Eyes : Safety glasses.

Skin : Lab coat.

Respiratory : A respirator is not needed under normal and intended conditions of use.

Hands : Natural rubber (latex).

Personal protective equipment (Pictograms) :

HMIS Code/Personal protective equipment : B

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Solid. [Semi-solid gel.]

Flash point : Not available.

Color : White

Odor : Petroleum. [Slight]

Boiling/condensation point : Not available.
Melting/freezing point : >260°C (>500°F)
Vapor pressure : <0.13 kPa (<1 mm Hg)
Solubility : Insoluble in the following materials: cold water and hot water.

10. STABILITY AND REACTIVITY

Stability : The product is stable.
Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid : Avoid exposure - obtain special instructions before use.
Materials to avoid : Strong Oxiders Bromine, Chromic Acid
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Conditions of reactivity : Slightly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Non-flammable in the presence of the following materials or conditions: heat.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

PRODUCT/INGREDIENT NAME	SPECIES	DOSE	RESULT	EXPOSURE
Distillates (petroleum), hydrotreated heavy naphthenic	Rabbit	>5 g/kg	LD50 Dermal	-
Rat	Rat	>5 g/kg	LD50 Oral	-

Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.
Skin : Slightly irritating to the skin.
Eyes : Slightly irritating to the eyes.

Carcinogenicity

PRODUCT/INGREDIENT NAME	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Titanium dioxide	A4	2B	-	None	-	-

12. ECOLOGICAL INFORMATION

Environmental effects : No known significant effects or critical hazards.
Aquatic ecotoxicity

PRODUCT/INGREDIENT NAME	SPECIES	EXPOSURE	RESULT
Titanium dioxide	Daphnia	48 hours	Acute EC50 >1000000 ug/L
	Fish	96 hours	Acute LC50 >1000000 ug/L

13. DISPOSAL CONDITIONS

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by- products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. TRANSPORT INFORMATION

DOT / IMDG / IATA : Not Applicable

15. REGULATORY INFORMATION

United States

HCS Classification : Carcinogen

U.S. Federal regulations : TSCA 8(a) PAIR: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts
United States inventory (TSCA 8b): All components are listed or exempted.
TSCA 8(d) H and S data reporting: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts: 2006
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Titanium dioxide
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Titanium dioxide: Delayed (chronic) health hazard
Clean Water Act (CWA) 307: tris[bis(2-ethylhexyl)dithiocarbamato-S,S'] antimony; Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts; Ammonia, anhydrous; Zinc oxide
Clean Water Act (CWA) 311: Ammonia, anhydrous
Clean Air Act (CAA) 112 accidental release prevention: Hydrogen sulfide; Ammonia, anhydrous
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: Hydrogen sulfide; Ammonia, anhydrous

State regulations :

Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed. Louisiana Spill: None of the components are listed. Massachusetts Spill: None of the components are listed.
Massachusetts Substances: The following components are listed: Distillates (petroleum), hydrotreated light paraffinic;Titanium dioxide Michigan
Critical Material: None of the components are listed. Minnesota Hazardous **Substances:** None of the components are listed.
New Jersey Hazardous Substances: The following components are listed: Titanium dioxide
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed. New York Toxic Chemical Release Reporting: None of the components are listed. Pennsylvania RTK Hazardous Substances : The following components are listed: Titanium dioxide
Rhode Island Hazardous Substances: None of the components are listed.

International Regulations

International Lists : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16. OTHER INFORMATION

Label Requirements : May cause eye and skin irritation. Cancer hazard - contains material which can cause cancer.

HMIS (United States) :

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA (United States) :

References : ANSI Z400.5, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG.

Creation Date : January 01, 2012

Abbreviations that may have been used in this document:

TLV	:	Threshold Limit Value
MSDS	:	Material Safety Data Sheet
DOT	:	Department of Transportation (USA)
NTP	:	National Toxicology Program (USA)
IARC	:	International Agency for Research on Cancer
OSHA	:	Occupational Safety and Health Administration
CFR	:	Code of Federal Regulations

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