Safety Data Sheet

Material Name: USED OIL **SDS ID: 81451**

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
USED OIL
Product Code
None.
Synonyms
Waste oil; Used lubricating oil; Oil and water mixture.
Product Use
Oil or oil and water mixture for re-refining or reprocessing. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.
Restrictions on Use
None known.
Restrictions on Use
None known.

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Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with Schedule 1 of Hazardous Products Regulations (HPR) (SOR/2015-17)
Aspiration Hazard - Category 1
Skin Corrosion/Irritation - Category 2
Serious Eye Damage/Eye Irritation - Category 2B
Respiratory Sensitization - Category 1A
Skin Sensitization - Category 1A
Germ Cell Mutagenicity - Category 1B
Carcinogenicity - Category 1B
Reproductive Toxicity - Category 1B
Specific Target Organ Toxicity - Single Exposure - Category 1 (kidneys , central nervous system , lungs)
Specific Target Organ Toxicity - Single Exposure - Category 3 (central nervous system , respiratory system)

GHS Label Elements
Symbol(s)



Signal Word
Danger
Hazard Statement(s)
May be fatal if swallowed and enters airways.
Causes skin and eye irritation.
May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction, genetic defects, and cancer.
May damage fertility or the unborn child.
Causes damage to organs.
May cause respiratory irritation and drowsiness or dizziness.
Precautionary Statement(s)
Prevention
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Wear respiratory protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product.
Response
If exposed or concerned: Call a POISON CENTER or doctor/physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
Storage
Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
70514-12-4	Lubricating oils, used	80-100
7732-18-5	Water	0-20
Not Available	Hydrocarbon solvents. May include gasoline, diesel fuel, jet fuel, mineral spirits, etc.	0-10

Not Available	Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.	0-1.5
Not Available	Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%	0-1
Not Available	Chlorinated solvents	0-0.5

Component Related Regulatory Information
This product may be regulated, have exposure limits or other information identified as the following: Zinc (7440-66-6), Iron (7439-89-6), Lead (7439-92-1), Nickel (7440-02-0), Arsenic (7440-38-2), Copper (7440-50-8), Chromium (7440-47-3), Phenanthrene (85-01-8), Naphthalene (91-20-3), Fluoranthene (206-44-0).

Section 4 - FIRST AID MEASURES

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, oxygen should be administered by qualified personnel.

Skin

IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before use.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

IF SWALLOWED: Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects

Acute

May be fatal if swallowed and enters airways. Causes skin irritation and eye irritation. May cause allergic skin reactions. May cause asthma, allergic reactions, respiratory tract irritation, central nervous system depression. Causes damage to kidneys, central nervous system, lungs.

Delayed

May damage fertility or the unborn child. May cause cancer and mutagenic effects.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, or water fog.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Special Hazards Arising from the Chemical

Fire may produce irritating, poisonous and/or corrosive fumes. Vapors may cause drowsiness and dizziness. Containers may rupture or explode if exposed to heat. Empty product containers may retain product residue and can be dangerous. Product is not sensitive to mechanical impact or static discharge.

Hazardous Combustion Products

Burning may produce Oxides of carbon, oxides of nitrogen, oxides of metal, oxides of chlorine, Phosgene, miscellaneous decomposition products.

Fire Fighting Measures

Keep storage containers cool with water spray. Move container from fire area if it can be done without risk.

Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

Methods and Materials for Containment and Cleaning Up

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal. Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal. There may be specific federal regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see SECTION 15: REGULATORY INFORMATION.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Keep away from sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes Skin clothing shoes.

Conditions for Safe Storage, Including any Incompatibilities

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

Incompatible Materials

Acids, alkalis, oxidizing agents, reducing agents, halogens, or reactive metals.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.	**Not Available**
Alberta; British Columbia; Manitoba; New Brunswick; Nova Scotia; Prince Edward Island; Quebec	0.05 mg/m3 TWA (related to Lead)
Northwest Territories; Nunavut; Saskatchewan	0.05 mg/m3 TWA (related to Lead)
	0.15 mg/m3 STEL (related to Lead)
Ontario	0.05 mg/m3 TWA (designated substances regulation); 0.05 mg/m3 TWA (applies to workplaces to which the designated substances regulation does not apply) (related to Lead)
	0.05 mg/m3 STEL (designated substances regulation) (related to Arsenic)
Yukon	0.15 mg/m3 TWA dust and fume (related to Lead)
	0.45 mg/m3 STEL dust and fume (related to Lead)
ACGIH:	0.05 mg/m3 TWA (related to Lead)
NIOSH	0.05 mg/m3 TWA (related to Lead); 0.002 mg/m3 Ceiling 15 min (related to Arsenic); 100 mg/m3 IDLH (related to Lead)
OSHA	50 µg/m3 TWA (related to Lead); 30 µg/m3 Action Level (See 29 CFR 1910.1025); 50 µg/m3 TWA (See 29 CFR 1910.1025) (related to Lead)
Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%	**Not Available**
Alberta	10 ppm TWA ; 52 mg/m3 TWA (related to Naphthalene)
	15 ppm STEL ; 79 mg/m3 STEL (related to Naphthalene)
	Substance may be readily absorbed through intact skin (related to Naphthalene)
British Columbia	10 ppm TWA (related to Naphthalene)
	Skin notation (related to Naphthalene)
Manitoba	10 ppm TWA (related to Naphthalene)

	Skin - potential significant contribution to overall exposure by the cutaneous route (related to Naphthalene)
New Brunswick	10 ppm TWA ; 52 mg/m3 TWA (related to Naphthalene)
	15 ppm STEL ; 79 mg/m3 STEL (related to Naphthalene)
Northwest Territories; Nunavut	10 ppm TWA (related to Naphthalene)
	15 ppm STEL (related to Naphthalene)
	Skin notation (related to Naphthalene)
Nova Scotia	10 ppm TWA (related to Naphthalene)
	Skin - potential significant contribution to overall exposure by the cutaneous route (related to Naphthalene)
Ontario	10 ppm TWA (related to Naphthalene)
	Danger of cutaneous absorption (related to Naphthalene)
Prince Edward Island	10 ppm TWA (related to Naphthalene)
Quebec	10 ppm TWAEV ; 52 mg/m3 TWAEV (related to Naphthalene)
	15 ppm STEV ; 79 mg/m3 STEV (related to Naphthalene)
Saskatchewan	10 ppm TWA (related to Naphthalene)
	15 ppm STEL (related to Naphthalene)
	Potentially harmful after absorption through skin or mucous membranes (related to Naphthalene)
Yukon	10 ppm TWA ; 50 mg/m3 TWA (related to Naphthalene)
	15 ppm STEL ; 75 mg/m3 STEL (related to Naphthalene)
ACGIH:	10 ppm TWA (related to Naphthalene)
	Skin - potential significant contribution to overall exposure by the cutaneous route (related to Naphthalene)
NIOSH, OSHA Vacated	10 ppm TWA; 50 mg/m3 TWA (related to Naphthalene); 15 ppm STEL; 75 mg/m3 STEL (related to Naphthalene)
OSHA Final	0.2 mg/m3 TWA (related to Pyrene)

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%. (Not Available)

200 µg/l Medium: blood Time: not critical Parameter: Lead (Note: Persons applying this BEI are encouraged to counsel female workers of child-bearing age about the risk of delivering a child with a PbB (lead in blood level) over the current CDC reference value) (related to Lead)

Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3% (Not Available)

Time: end of shift Parameter: 1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis (nonquantitative, nonspecific) (related to Naphthalene)

Engineering Controls

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

Respiratory Protection

A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4-M1982 requirements must be followed whenever workplace conditions warrant a respirator's use. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

Glove Recommendations/Skin Protection

Where skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, whole body suits, or other protective clothing.

Protective Materials

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, Gloves, and/or Lab coat or apron.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black and viscous (thick) liquid	**Physical State**	Not available
Odor	Petroleum	**Color**	Not available
Odor Threshold	Not available	**pH**	Not available
Melting Point	Not available	**Boiling Point**	Not available
Boiling Point Range	Not available	**Freezing point**	Not available
Evaporation Rate	<1 (Butyl acetate = 1)	**Flammability (solid, gas)**	Not available
Autoignition Temperature	Not available	**Flash Point**	>93 °C (200 °F Minimum)

Lower Explosive Limit	Not available	**Decomposition temperature**	Not available
Upper Explosive Limit	Not available	**Vapor Pressure**	Not available
Vapor Density (air=1)	>1 (Kerosene Air = 1)	**Specific Gravity (water=1)**	0.8 - 1 at 15.6 °C
Water Solubility	(Slight)	**Partition coefficient: n-octanol/water**	Not available
Viscosity	Not available	**Kinematic viscosity**	Not available
Solubility (Other)	Not available	**Density**	7.3 lb/gal (US Approximate)
Molecular Weight	Not applicable.		

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions

Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.

Conditions to Avoid

Avoid Heat sparks or flame

Incompatible Materials

Acids, alkalis, oxidizing agents, reducing agents, halogens, or reactive metals.

Hazardous decomposition products

Burning may produce Oxides of carbon oxides of nitrogen oxides of chlorine oxides of metal Phosgene miscellaneous decomposition products.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

May cause respiratory tract irritation dizziness drowsiness asthma allergic reactions.

Skin Contact

May cause an allergic skin reaction.

Eye Contact

Causes eye irritation.

Ingestion

Harmful if swallowed. May be fatal if swallowed and enters airways.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Lubricating oils, used (70514-12-4)

Oral LD50 Rat >2000 mg/kg; Dermal LD50 Rabbit >4480 mg/kg

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%. (Not Available)
Oral LD50 Rat 30 g/kg (related to Iron); Inhalation LC50 Rat >10.2 mg/L 1 h (no deaths occurred) (related to Nickel)
Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3% (Not Available)
Oral LD50 Rat 2700 mg/kg (related to Pyrene); Dermal LD50 Rabbit 1120 mg/kg (related to Naphthalene) Inhalation LC50 Rat >340 mg/m3 1 h (related to Naphthalene)

Product Toxicity Data

Acute Toxicity Estimate

Dermal	> 2000 mg/kg
Oral	> 2000 mg/kg

Immediate Effects
May be fatal if swallowed and enters airways. Causes skin irritation and eye irritation. May cause asthma or allergic reactions. Causes damage to kidneys, central nervous system, lungs.

Delayed Effects
Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis). May cause cancer and mutagenic effects. May damage fertility or the unborn child.

Irritation/Corrosivity Data
Causes skin and eye irritation. May cause respiratory tract irritation.

Respiratory Sensitization
May cause sensitization.

Dermal Sensitization
May cause sensitization.

Component Carcinogenicity

Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.	**Not Available**
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (related to Lead)
IARC:	Monograph 100C [2012] ; Monograph 84 [2004] (in drinking water); Supplement 7 [1987] ; Monograph 23 [1980] (related to Arsenic) (Group 1 (carcinogenic to humans))
IARC:	Monograph 87 [2006] (Monograph 87 evaluates inorganic lead compounds as Group 2A and organic lead compounds as Group 3. CAS 7439-92-1 still assigned 2B on IARC website even though Monograph 87 assigns 2A with more recent date) (related to Lead) (Group 2A (probably carcinogenic to humans))
IARC:	Monograph 49 [1990] ; Supplement 7 [1987] (related to Nickel) (Group 2B (possibly carcinogenic to humans))

IARC:	Monograph 49 [1990] ; Supplement 7 [1987] (related to Chromium) (Group 3 (not classifiable))
NTP:	Known Human Carcinogen (related to Arsenic)
NTP:	Reasonably Anticipated To Be A Human Carcinogen (related to Lead)
DFG:	Category 2 (considered to be carcinogenic for man) (related to Lead)
OSHA:	Present (related to Lead)
NIOSH:	potential occupational carcinogen (related to Nickel)
Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%	**Not Available**
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (related to Naphthalene)
IARC:	Monograph 82 [2002] (related to Naphthalene) (Group 2B (possibly carcinogenic to humans))
IARC:	Monograph 92 [2010] ; Supplement 7 [1987] ; Monograph 32 [1983] (related to Pyrene) (Group 3 (not classifiable))
NTP:	Reasonably Anticipated To Be A Human Carcinogen (related to Naphthalene)
DFG:	Category 2 (considered to be carcinogenic for man) (related to Naphthalene)
OSHA:	Present (related to Naphthalene)

May cause cancer.

Germ Cell Mutagenicity

Contains material which may have reproductive toxicity, teratogenic or mutagenic effects. May cause genetic defects.

Tumorigenic Data

No data available

Reproductive Toxicity

Based on best current information, there may be reproductive toxicity associated with this product.

Specific Target Organ Toxicity - Single Exposure

Kidneys, central nervous system, lungs, respiratory tract.

Specific Target Organ Toxicity - Repeated Exposure

Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation.

Aspiration hazard

This material is an aspiration hazard.

Medical Conditions Aggravated by Exposure

Individuals with pre-existing cardiovascular, liver, kidney, central nervous system, respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

Lubricating oils, used	**70514-12-4**
Fish:	LC50 96 h Brachydanio rerio 79.6 mg/L [semi-static]; LC50 96 h Pimephales promelas 3.2 mg/L [semi-static]
Invertebrate:	EC50 48 h Artemia salina >22500 mg/L IUCLID
Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.	**Not Available**
Fish:	LC50 96 h Pimephales promelas 2.16 - 3.05 mg/L [flow-through]; LC50 96 h Pimephales promelas 0.211 - 0.269 mg/L [semi-static]; LC50 96 h Pimephales promelas 2.66 mg/L [static]; LC50 96 h Cyprinus carpio 30 mg/L; LC50 96 h Cyprinus carpio 0.45 mg/L [semi-static]; LC50 96 h Cyprinus carpio 7.8 mg/L [static]; LC50 96 h Lepomis macrochirus 3.5 mg/L [static]; LC50 96 h Oncorhynchus mykiss 0.24 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 0.59 mg/L [semi-static]; LC50 96 h Oncorhynchus mykiss 0.41 mg/L [static] (related to Zinc)
Algae:	EC50 96 h Pseudokirchneriella subcapitata 0.11 - 0.271 mg/L [static] EPA ; EC50 72 h Pseudokirchneriella subcapitata 0.09 - 0.125 mg/L [static] EPA (related to Zinc)
Invertebrate:	EC50 48 h Daphnia magna 0.139 - 0.908 mg/L [Static] EPA (related to Zinc)
Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%	**Not Available**
Fish:	LC50 96 h Pimephales promelas 5.74 - 6.44 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 1.6 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 0.91 - 2.82 mg/L [static]; LC50 96 h Pimephales promelas 1.99 mg/L [static]; LC50 96 h Lepomis macrochirus 31.0265 mg/L [static] (related to Naphthalene)
Invertebrate:	EC50 48 h water flea 1.8 mg/L (related to Pyrene)

Fish Toxicity

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Invertebrate Toxicity
No additional information is available.
Persistence and Degradability
No information available for the product.
Bioaccumulative Potential
No information available for the product.
Mobility
No information available for the product.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose in accordance with all applicable federal, state/regional and local laws and regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

Section 14 - TRANSPORT INFORMATION

US DOT Information:
Additional information: Not regulated as dangerous goods

Shipments from the US to Canada and from Canada to the US:
TDG Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (oil)
UN/NA #: UN3082 Hazard Class: 9 Packing Group: III

TDG Information:
Additional information: Not regulated as dangerous goods
International Bulk Chemical Code
This material contains one or more of the following chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%	**Not Available**
IBC Code:	Category X (molten) (related to Naphthalene)

Section 15 - REGULATORY INFORMATION

Canada Regulations
CEPA - Priority Substances List
None of this product's components are on the list.
Ozone Depleting Substances
None of this product's components are on the list.
Council of Ministers of the Environment - Soil Quality Guidelines

Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.	**Not Available**
Residential and Parkland	250 mg/kg (dry weight) (related to Zinc)

Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%	**Not Available**
Residential and Parkland	(consult factsheet) (related to Pyrene)

Council of Ministers of the Environment - Water Quality Guidelines

Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.	**Not Available**
Marine Aquatic Life	12.5 µg/L (related to Arsenic)
Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%	**Not Available**
Marine Aquatic Life	1.4 µg/L (related to Naphthalene)

Further information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all information required by the CPR.

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%.	**Not Available**
SARA 313:	1 % de minimis concentration (dust or fume only) (related to Zinc)
CERCLA:	454 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 1000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm) (related to Zinc)
TSCA 12b:	Section 5 , 1 % de minimis concentration (related to Zinc)
Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3%	**Not Available**
SARA 302:	1000 lb lower TPQ ; 10000 lb upper TPQ (related to Pyrene)
SARA 313:	1 % de minimis concentration (related to Phenanthrene)

CERCLA:	5000 lb final RQ ; 2270 kg final RQ (related to Pyrene)
SARA 304:	5000 lb EPCRA RQ (related to Pyrene)

SARA Section 311/312 (40 CFR 370 Subparts B and C) 2016 reporting categories

Acute Health: Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactivity:** No

Component Analysis - Inventory

Lubricating oils, used (70514-12-4)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
No	DSL	Yes	No	EIN	No	No	No	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW	VN (Draft)
No	No	No	No	No	No	No

Water (7732-18-5)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	No	Yes	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW	VN (Draft)
No	Yes	Yes	Yes	Yes	Yes	Yes

Hydrocarbon solvents. May include gasoline, diesel fuel, jet fuel, mineral spirits, etc. (Not Available)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
No	No	No	No	No	No	No	No	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW	VN (Draft)
No	No	No	No	No	No	No

Metals. May include lead, iron, zinc, copper, chromium, arsenic, nickel and others: each below 1.0 WT%. (Not Available)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
No	No	No	No	No	No	No	No	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW	VN (Draft)
No	No	No	No	No	No	No

Polynuclear aromatics. May include naphthalene, fluoranthene, phenanthrene, pyrene, and others: each below 0.3% (Not Available)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
No	No	No	No	No	No	No	No	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW	VN (Draft)
No	No	No	No	No	No	No

Chlorinated solvents (Not Available)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
No	No	No	No	No	No	No	No	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW	VN (Draft)
No	No	No	No	No	No	No

Section 16 - OTHER INFORMATION

NFPA Ratings

Health: 1 Fire: 1 Instability: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

Regulatory review and update.

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC – European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of LIsts™ - ChemADVISOR’s Regulatory Database; MAK -

Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX – Mexico; Ne-Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL – Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

Other Information

Disclaimer:

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