

# **SAFETY DATA SHEET**

LTR-2

### Section 1. Identification

GHS product identifier	: LTR-2
Other means of identification	: Not available.
Product type	: Solid.
Relevant identified uses of t	the substance or mixture and uses advised against
Product use	: Petroleum lubricating grease
Area of application	: Industrial applications.
Supplier/Manufacturer	: LUBRIPLATE® Lubricants Co. 129 Lockwood St. Newark, NJ 07105 Telephone no.: 1-973-589-9150
e-mail address of person responsible for this SDS	: SDS@lubriplate.com
Emergency telephone number (with hours of operation)	: CHEM-TEL 1-800-255-3924 (24 hour)

## Section 2. Hazards identification

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Supplemental label elements	: Avoid contact with skin and clothing. Wash thoroughly after handling.		
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.		
Storage	: Not applicable.		
Response	Get medical attention if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.		
Prevention	: Wear protective gloves. Do not breathe dust. Contaminated work clothing should not be allowed out of the workplace.		
Precautionary statements			
Hazard statements	<ul> <li>May cause an allergic skin reaction.</li> <li>May cause damage to organs through prolonged or repeated exposure.</li> </ul>		
Signal word	: Warning		
GHS label elements Hazard pictograms			
	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 24.5%		
Classification of the substance or mixture	: SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2		
OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).		

### Section 2. Hazards identification

Hazards not otherwise classified

: Prolonged or repeated contact may dry skin and cause irritation.

### Section 3. Composition/information on ingredients

Substance/mixture	
Other means of	

: Mixture

identification

: Not available.

#### **CAS number/other identifiers**

**CAS number** 

: Not applicable.

**Product code** 

: Not available.

Ingredient name	Other names	%	CAS number
Distillates (petroleum), hydrotreated light paraffinic	Distillates (petroleum), hydrotreated light paraffinic	30-60	64742-55-8
Distillates (petroleum), hydrotreated heavy paraffinic	Distillates (petroleum), hydrotreated heavy paraffinic	30-60	64742-54-7
Residual oils (petroleum), solvent-dewaxed	Residual oils (petroleum), solvent-dewaxed	10-30	64742-62-7
antimony tris[O,O-dipropyl] tris (dithiophosphate)	antimony tris[O,O-dipropyl] tris(dithiophosphate)	1-5	15874-48-3
Lubricating oils (petroleum), hydrotreated spent	Lubricating oils (petroleum), hydrotreated spent	0.1-1	64742-58-1
zinc bis(dibutyldithiocarbamate)	zinc bis (dibutyldithiocarbamate)	0.1-1	136-23-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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 and hence require reporting in this section.

### Section 4. First aid measures

Description of necessary f	irst aid measures
Eye contact	<ul> <li>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.</li> </ul>
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
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### Section 4. First aid measures

Most important symptoms/	effects, acute and delayed
Potential acute health effe	<u>cts</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sym	<u>ptoms</u>
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
Indication of immediate me	dical attention and special treatment needed, if necessary
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. 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.

#### See toxicological information (Section 11)

### Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	g : Do not use water jet.
Specific hazards arising from the chemical	: No specific fire or explosion hazard.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides phosphorus oxides metal oxide/oxides
Special protective action for fire-fighters	<b>s</b> : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighter	: Fire-fighters should wear appropriate protective equipment and self-contained breathin apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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### Section 6. Accidental release measures

Personal precautions, protect	tive equipment and emergency procedures
For non-emergency personnel	: 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.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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 and materials for co	entainment and cleaning up
Small spill	: Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material 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. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, 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.

### Section 7. Handling and storage

#### Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. 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.
Advice on general occupational hygiene	: 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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: 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.

### Section 8. Exposure controls/personal protection

<u>Control parameters</u> <u>Occupational exposure limits</u>

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## Section 8. Exposure controls/personal protection

Exposure limits
ACGIH TLV (United States, 4/2014). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable
fraction
NIOSH REL (United States, 10/2013).
TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist
STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist
OSHA PEL (United States, 2/2013).
TWA: 5 mg/m <sup>3</sup> 8 hours.
ACGIH TLV (United States, 4/2014).
TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction
NIOSH REL (United States, 10/2013).
TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist
STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist
OSHA PEL (United States, 2/2013).
TWA: 5 mg/m <sup>3</sup> 8 hours.
ACGIH TLV (United States, 4/2014).
TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable
fraction
NIOSH REL (United States, 10/2013).
TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Mist
STEL: 10 mg/m <sup>3</sup> 15 minutes. Form: Mist
OSHA PEL (United States, 2/2013).
TWA: 5 mg/m <sup>3</sup> 8 hours.
ACGIH TLV (United States, 4/2014).
TWA: 0.5 mg/m³, (as Sb) 8 hours. OSHA PEL 1989 (United States, 3/1989).
TWA: 0.5 mg/m <sup>3</sup> , (as Sb) 8 hours.
OSHA PEL (United States, 2/2013).
TWA: 0.5 mg/m <sup>3</sup> , (as Sb) 8 hours.
NIOSH REL (United States, 10/2013).
TWA: 0.5 mg/m <sup>3</sup> , (as Sb) 10 hours.

Appropriate engineering controls	<ul> <li>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.</li> </ul>	
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.	
Individual protection measured	<u>Ires</u>	
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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.	
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.	
Skin protection		
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## Section 8. Exposure controls/personal protection

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

Appearance		
Physical state	1	Solid. [tacky / grease]
Color	1	Red.
Odor	:	Mineral oil.
Odor threshold	1	Not available.
рН	1	Not available.
Melting point	1	Not available.
Boiling point	1	>288°C (>550.4°F)
Flash point	1	Open cup: 260°C (500°F) [Cleveland.]
Evaporation rate	4	<0.01 (butyl acetate = 1)
Flammability (solid, gas)	1	Not available.
Lower and upper explosive (flammable) limits	:	Lower: 0.9% Upper: 7%
Vapor pressure	:	<0.0013 kPa (<0.01 mm Hg) [room temperature]
Vapor density	1	>5 [Air = 1]
Relative density	1	0.96 [Water = 1]
Solubility	1	Insoluble in the following materials: cold water and hot water.
Solubility in water	1	Not available.
Partition coefficient: n- octanol/water	:	Not available.
Auto-ignition temperature	1	Not available.
Decomposition temperature	:	Not available.
SADT	1	Not available.
Viscosity	:	Kinematic (40°C (104°F)): 4.6 cm²/s (460 cSt)
Physical/chemical properties comments	:	Kinematic viscosity (100°C (212°F)): 0.31 cm <sup>2</sup> /s (31 cSt)

### Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
reactions	Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid	: Keep away from heat, sparks and flame. Keep away from all sources of ignition.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials. Chlorine
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11. Toxicological information

#### Information on toxicological effects

Acute	o tox	icity
Acut		ICILY

Product/ingredient name	Result	Species	Dose	Exposure
zinc bis (dibutyldithiocarbamate)	LD50 Oral	Rat	>5000 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
zinc bis (dibutyldithiocarbamate)	Eyes - Mild irritant	Rabbit	-	39 milligrams	-
	Skin - Mild irritant	Rabbit	-	0.5 Grams	-

#### **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Conclusion/Summary**

: The mineral oils in the product contain < 3% DMSO extract (IP 346).

#### Reproductive toxicity

Not available.

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

Name	•••	Route of exposure	Target organs
antimony tris[O,O-dipropyl] tris(dithiophosphate)	Category 3	Not applicable.	Respiratory tract irritation
zinc bis(dibutyldithiocarbamate)	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

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# Section 11. Toxicological information

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Name	• •	Route of exposure	Target organs
antimony tris[O,O-dipropyl] tris(dithiophosphate)	Category 2	Not determined	cardiovascular system

#### **Aspiration hazard**

Name	Result
Distillates (petroleum), hydrotreated light paraffinic	ASPIRATION HAZARD - Category 1
Distillates (petroleum), hydrotreated heavy paraffinic	ASPIRATION HAZARD - Category 1
Residual oils (petroleum), solvent-dewaxed	ASPIRATION HAZARD - Category 1
Lubricating oils (petroleum), hydrotreated spent	ASPIRATION HAZARD - Category 1

Information on the likely	: Routes of entry anticipated: Oral, Dermal, Inhalation.
routes of exposure	

#### Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.

Short term exposure       Potential immediate       : Not available.         effects       : Not available.         Potential delayed effects       : Not available.         Long term exposure       .         Potential immediate       : Not available.         effects       : Not available.         Potential delayed effects       : Not available.         Potential delayed effects       : Not available.         Potential chronic health effects       : Not available.         Potential chronic health effects       : Not available.         Potential chronic health effects       : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.         Carcinogenicity       : No known significant effects or critical hazards.         Mutagenicity       : 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.	Delayed and immediate effect	ts and also chronic effects from short and long term exposure
effects       Potential delayed effects       : Not available.         Long term exposure       Potential immediate       : Not available.         effects       Potential delayed effects       : Not available.         Potential chronic health effects       : Not available.         Potential chronic health effects       : Not available.         Potential chronic health effects       : Not available.         General       : May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.         Carcinogenicity       : No known significant effects or critical hazards.         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.	Short term exposure	
Long term exposure         Potential immediate       : Not available.         effects       Potential delayed effects       : Not available.         Potential chronic health effects       : Not available.         Potential chronic health effects       : Not available.         Potential chronic health effects       : Not available.         General       : May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.         Carcinogenicity       : No known significant effects or critical hazards.         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.		: Not available.
Potential immediate       : Not available.         effects       Potential delayed effects       : Not available.         Potential chronic health effects       Not available.         Not available.       Image: Second	Potential delayed effects	: Not available.
effects       Potential delayed effects : Not available.         Potential chronic health effects         Not available.         General       : May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.         Carcinogenicity       : No known significant effects or critical hazards.         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.	Long term exposure	
Potential chronic health effects         Not available.         General       : May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.         Carcinogenicity       : No known significant effects or critical hazards.         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.		: Not available.
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General: May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.Carcinogenicity: No known significant effects or critical hazards.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.	Potential chronic health eff	ects
repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.Carcinogenicity: No known significant effects or critical hazards.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.	Not available.	
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.	General	repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to
Teratogenicity: No known significant effects or critical hazards.Developmental effects: No known significant effects or critical hazards.	Carcinogenicity	: No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.	Mutagenicity	: No known significant effects or critical hazards.
	Teratogenicity	: No known significant effects or critical hazards.
Fertility effects : 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.

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## Section 11. Toxicological information

#### Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	23532.3 mg/kg
Inhalation (dusts and mists)	70.6 mg/l

### Section 12. Ecological information

Toxicity						
Product/ingredient name	Result	Species	Exposure			
zinc bis (dibutyldithiocarbamate)	Acute EC50 0.74 mg/l	Daphnia - Daphnia magna	48 hours			
	Acute LC50 520 mg/l	Fish - Oncorhynchus mykiss	96 hours			

#### Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
Residual oils (petroleum), solvent-dewaxed	OECD 301B Ready Biodegradability - CO <sub>2</sub> Evolution Test	6 % - 28 da	iys	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
Residual oils (petroleum), solvent-dewaxed	-		-		Not read	dily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Distillates (petroleum), hydrotreated light paraffinic	>2	-	low

#### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

Disposal methods	The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains
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### Section 13. Disposal considerations

and sewers.

## Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of MARPOL 73/78 and the IBC Code

### Section 15. Regulatory information

U.S. Federal regulations	: United States inventory (TSCA 8b): All components are listed or exempted.
	Clean Water Act (CWA) 307: antimony tris[O,O-dipropyl] tris(dithiophosphate); zinc bis (dibutyldithiocarbamate)
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Listed
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Not listed
SARA 302/304	
Composition/information	on ingredients
No products were found.	
SARA 304 RQ	: Not applicable.
SARA 311/312	
Classification	: Immediate (acute) health hazard Delayed (chronic) health hazard
Composition/information	on ingredients
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## Section 15. Regulatory information

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Distillates (petroleum), hydrotreated light paraffinic	30-60	No.	No.	No.	Yes.	No.
Distillates (petroleum), hydrotreated heavy paraffinic	30-60	No.	No.	No.	Yes.	No.
Residual oils (petroleum), solvent- dewaxed	10-30	No.	No.	No.	Yes.	No.
antimony tris[O,O-dipropyl] tris (dithiophosphate)	1-5	No.	No.	No.	Yes.	Yes.
Lubricating oils (petroleum), hydrotreated spent	0.1-1	No.	No.	No.	Yes.	No.
zinc bis(dibutyldithiocarbamate)	0.1-1	Yes.	No.	No.	Yes.	No.

#### SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	antimony tris[O,O-dipropyl] tris(dithiophosphate)	15874-48-3	1-5
Supplier notification	antimony tris[O,O-dipropyl] tris(dithiophosphate)	15874-48-3	1-5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

#### **State regulations**

Massachusetts	: The following components are listed: MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT PARAFFINIC
New York	: None of the components are listed.
New Jersey	The following components are listed: MINERAL OIL (HIGHLY REFINED); OIL MIST, MINERAL; MINERAL OIL (HIGHLY REFINED); OIL MIST, MINERAL; MINERAL OIL (HIGHLY REFINED); OIL MIST, MINERAL; ANTIMONY compounds
Pennsylvania	: The following components are listed: ANTIMONY COMPOUNDS
California Prop. 65	

None of the components are listed.

### Section 16. Other information

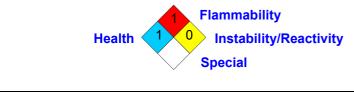
Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

#### National Fire Protection Association (U.S.A.)



Date of issue/Date of revision	:03/10/2015	Date of previous issue	: No previous validation	Version : 1	11/12
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## Section 16. Other information

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

<b>History</b>

Date of issue/Date of revision	: 03/10/2015
Date of previous issue	: No previous validation
Version	: 1
Prepared by	: IHS
Key to abbreviations	<ul> <li>ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations</li> </ul>
References	: HCS (U.S.A.)- Hazard Communication Standard International transport regulations

✓ Indicates information that has changed from previously issued version.

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.