

SAFETY DATA SHEET

Multi-Lube A

Section 1. Identification

GHS product identifier	: Multi-Lube A
Other means of identification	: Not available.
Product type	: Solid.
Relevant identified uses of	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

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: SKIN SENSITIZATION - Category 1
	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 15.7%
GHS label elements	
Hazard pictograms	:
Signal word	: Warning
-	-
Hazard statements	: May cause an allergic skin reaction.
Precautionary statements	
Prevention	: Wear protective gloves. Avoid breathing dust. Contaminated work clothing should no be allowed out of the workplace.
Response	: IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.
Storage	: Not applicable.
Date of issue/Date of revision	: 05/07/2015 Date of previous issue : No previous validation Version : 1

Section 2. Hazards identification

Ocation 2. Commencitien/information on inspectionto	
Hazards not otherwise classified	: Prolonged or repeated contact may dry skin and cause irritation.
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.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of	: Not available.
identification	

CAS number/other identifiers

CAS number	: Not applicable.
Product code	: Not available.

Ingredient name	Other names	%	CAS number
Distillates (petroleum), hydrotreated heavy naphthenic	Distillates (petroleum), hydrotreated heavy naphthenic	60-100	64742-52-5
zinc oxide tris(dipentyldithiocarbamato-S,S')antimony	zinc oxide	1-5 0.1-1	1314-13-2 15890-25-2
zinc bis(dibutyldithiocarbamate)	S')antimony 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 first aid measures

Eye contact	 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.
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 if adverse health effects persist or are severe. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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.
Date of issue/Date of revision	: 05/07/2015 Date of previous issue : No previous validation Version : 1 2/14

Section 4. First aid measures

Section 4. 1 list a	וע וווכמסטו כס
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 if adverse health effects persist or are severe. 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.
Most important symptoms/	effects, acute and delayed
Potential acute health effe	ects
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.
<u>Over-exposure signs/sym</u>	<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	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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	: Do not use water jet.
Specific hazards arising from the chemical	: No specific fire or explosion hazard.

issue : No previous validation

Section 5. Fire-fighting measures

Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
Special protective actions for fire-fighters	 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-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective 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	nta	ainment and cleaning up
Small spill	:	Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. 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.

Date of issue/Date of revision

4/14

Section 7. Handling and storage

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

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits				
Distillates (petroleum), hydrotreated heavy naphthenic	ACGIH TLV (United States, 4/2014).				
	TWA: 5 mg/m ³ 8 hours. Form: Inhalable				
	fraction				
	NIOSH REL (United States, 10/2013).				
	TWA: 5 mg/m ³ 10 hours. Form: Mist				
	STEL: 10 mg/m ³ 15 minutes. Form: Mist				
	OSHA PEL (United States, 2/2013).				
	TWA: 5 mg/m ³ 8 hours.				
zinc oxide	NIOSH REL (United States, 10/2013).				
	CEIL: 15 mg/m ³ Form: Dust				
	TWA: 5 mg/m ³ 10 hours. Form: Dust and				
	fumes				
	STEL: 10 mg/m ³ 15 minutes. Form: Fume				
	OSHA PEL 1989 (United States, 3/1989).				
	TWA: 5 mg/m ³ 8 hours. Form: Fume				
	STEL: 10 mg/m ³ 15 minutes. Form: Fume				
	TWA: 5 mg/m ³ 8 hours. Form: Respirable				
	fraction				
	TWA: 10 mg/m ³ 8 hours. Form: Total dust				
	OSHA PEL (United States, 2/2013).				
	TWA: 5 mg/m ³ 8 hours. Form: Fume				
	TWA: 5 mg/m ³ 8 hours. Form: Respirable				
	fraction				
	TWA: 15 mg/m ³ 8 hours. Form: Total dust				
	ACGIH TLV (United States, 4/2014).				
	TWA: 2 mg/m ³ 8 hours. Form: Respirable				
	fraction STEL: 10 mg/m³ 15 minutes. Form:				
	Respirable fraction				
tris(dipentyldithiocarbamato-S,S')antimony	ACGIH TLV (United States, 4/2014).				
	TWA: 0.5 mg/m^3 , (as Sb) 8 hours.				
	OSHA PEL 1989 (United States, 3/1989).				
	TWA: 0.5 mg/m ³ , (as Sb) 8 hours.				
	OSHA PEL (United States, 2/2013).				
	TWA: 0.5 mg/m ³ , (as Sb) 8 hours.				

Multi-Lube A

Section 8. Exposure controls/personal protection

NIOSH REL (United States, 10/2013). TWA: 0.5 mg/m³, (as Sb) 10 hours.

Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
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 meas	<u>ures</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	
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

Date of issue/Date of revision	: 05/07/2015 Date of previous issue : No previous validation Version : 1 6/14
Boiling point	: >288°C (>550.4°F)
Melting point	: Not available.
рН	: Not available.
Odor threshold	: Not available.
Odor	: Mineral oil.
Color	: Tan.
Physical state	: Solid. [grease [Smooth.]]
Appearance	

Section 9. Physical and chemical properties

Flash point:Open cup: 204°C (399.2°F) [Cleveland.]Evaporation rate:<0.01 (butyl acetate = 1)			
Flammability (solid, gas): Not available.Lower and upper explosive (flammable) limits: Lower: 0.9% Upper: 7%Vapor pressure: Not available.Vapor density: Not available.Relative density: 0.94 [Water = 1]Solubility: Insoluble in the following materials: cold water and hot water.Solubility in water: Not available.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.	Flash point	1	Open cup: 204°C (399.2°F) [Cleveland.]
Lower and upper explosive (flammable) limits: Lower: 0.9% Upper: 7%Vapor pressure: Not available.Vapor density: Not available.Relative density: 0.94 [Water = 1]Solubility: Insoluble in the following materials: cold water and hot water.Solubility in water: Not available.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.	Evaporation rate	1	<0.01 (butyl acetate = 1)
(flammable) limitsUpper: 7%Vapor pressure: Not available.Vapor density: Not available.Relative density: 0.94 [Water = 1]Solubility: Insoluble in the following materials: cold water and hot water.Solubility in water: Not available.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.	Flammability (solid, gas)	:	Not available.
Vapor density: Not available.Relative density: 0.94 [Water = 1]Solubility: Insoluble in the following materials: cold water and hot water.Solubility in water: Not available.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.		:	
Relative density: 0.94 [Water = 1]Solubility: Insoluble in the following materials: cold water and hot water.Solubility in water: Not available.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.	Vapor pressure	1	Not available.
Solubility: Insoluble in the following materials: cold water and hot water.Solubility in water: Not available.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.	Vapor density	1	Not available.
Solubility in water: Not available.Partition coefficient: n- octanol/water: Not available.Auto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.	Relative density	1	0.94 [Water = 1]
Partition coefficient: n- octanol/water : Not available. Auto-ignition temperature : Not available. Decomposition temperature : Not available. SADT : Not available.	Solubility	1	Insoluble in the following materials: cold water and hot water.
octanol/waterAuto-ignition temperature: Not available.Decomposition temperature: Not available.SADT: Not available.	Solubility in water	1	Not available.
Decomposition temperature : Not available. SADT : Not available.		:	Not available.
SADT : Not available.	Auto-ignition temperature	1	Not available.
	Decomposition temperature	1	Not available.
Viscosity : Kinematic (40°C (104°F)): 0.95 cm²/s (95 cSt)	SADT	:	Not available.
	Viscosity	:	Kinematic (40°C (104°F)): 0.95 cm²/s (95 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.
Teactions	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 toxicity

Date of issue/Date of revision

Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy naphthenic	LD50 Oral	Rat	>5000 mg/kg	-
tris(dipentyldithiocarbamato- S,S')antimony	LD50 Dermal	Rabbit	>16000 mg/kg	-
	LD50 Oral	Rat	>16400 mg/kg	-
zinc bis (dibutyldithiocarbamate)	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Distillates (petroleum), hydrotreated heavy naphthenic	Skin - Severe irritant	Rabbit	-	500 milligrams	-
zinc oxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
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
zinc bis(dibutyldithiocarbamate)	Category 3		Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Name	Result
Distillates (petroleum), hydrotreated heavy naphthenic	ASPIRATION HAZARD - Category 1

```
        Date of issue/Date of revision
        : 05/07/2015
        Date of previous issue
        : No previous validation
        Version
        : 1
```

8/14

Section 11. Toxicological information

Information on the likely routes of exposure	: Routes of entry anticipated: Oral, Dermal, Inhalation.
Potential acute health effects	<u>></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.
Symptoms related to the phy	sical, 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	ets and also chronic effects from short and long term exposure : Not available.
effects Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health efformation of the second	<u>ects</u>
General	 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.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	42165 mg/kg
Inhalation (dusts and mists)	126.5 mg/l

Date of issue/Date of revision	:05/07/2015	Date of previous issue	: No previous validation	Version	:1	9/14

Section 11. Toxicological information

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
zinc oxide	Acute IC50 1.85 mg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute IC50 46 µg/l Fresh water	Algae - Pseudokirchneriella	72 hours
		subcapitata - Exponential growth	
		phase	
	Acute LC50 98 µg/l Fresh water	Daphnia - Daphnia magna -	48 hours
		Neonate	
	Acute LC50 1.1 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
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

Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
zinc oxide	-	60960	high

Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

S : 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 and sewers.

Date of issue/Date of revision

10/14

Section 14. Transport information

	DOT Classification	IMDG	ΙΑΤΑ
UN number	Not regulated.	UN3077	UN3077
UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (tris (dipentyldithiocarbamato-S,S') antimony). Marine pollutant (tris (dipentyldithiocarbamato-S,S') antimony)	Environmentally hazardous substance, solid, n.o.s. (zinc oxide, tris (dipentyldithiocarbamato-S,S') antimony)
Transport hazard class(es)	-	9	9
Packing group	-	Ш	111
Environmental hazards	No.	Yes.	Yes.
Additional information		The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. Emergency schedules (EmS) F-A, S-F Special provisions 274, 335, 966, 967, 969	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. Passenger and Cargo Aircraft Quantity limitation: 400 kg Packaging instructions: 956 Cargo Aircraft OnlyQuantity limitation: 400 kg Packaging instructions: 956 Limited Quantities - Passenger AircraftQuantity limitation: 30 kg Packaging instructions: Y956 Special provisions A97, A158, A179, A197

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

Date of issue/Date of revision

Section 15. Regulatory information

J.S. Federal regulations :	: United States inventory (TSCA 8b): All components are listed or exempted.						
		ater Act (C dibutyldithio			(dipentyldithiod	carbamato-S,S	')antimony;
Clean Air Act Section 112 : (b) Hazardous Air Pollutants (HAPs)	Listed						
Clean Air Act Section 602 : Class I Substances	Not listed	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 i	ngredien	<u>ts</u>					
No products were found.							
SARA 304 RQ :	Not appl	cable.					
<u>SARA 311/312</u>							
Classification :	Immedia	te (acute) he	ealth haza	rd			
Composition/information on i	ngredien [:]	<u>ts</u>					
Name		%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Distillates (petroleum), hydrotre heavy naphthenic	eated	60-100	No.	No.	No.	Yes.	No.
zinc oxide		1-5	No.	No.	No.	Yes.	No.
tris(dipentyldithiocarbamato-S,santimony	-	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	zinc oxide	1314-13-2	1-5
	tris(dipentyldithiocarbamato-S,S')antimony	15890-25-2	0.1-1
Supplier notification	zinc oxide	1314-13-2	1-5
	tris(dipentyldithiocarbamato-S,S')antimony	15890-25-2	0.1-1

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

Date of issue/Date of revision	: 05/07/2015 Date of previous issue	: No previous validation	Version : 1	12/14
New Jersey	: The following components are listed MINERAL; ZINC OXIDE; ANTIMONY		REFINED); OIL	∕IIST,
New York	: None of the components are listed.			
Massachusetts	: The following components are listed	ZINC OXIDE FUME		

United States

Section 15. Regulatory information

Pennsylvania

California Prop. 65

: The following components are listed: ZINC OXIDE (ZNO); ANTIMONY COMPOUNDS

None of the components are listed.

Section 16. Other information





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.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

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.

<u>History</u>	
Date of issue/Date of revision	: 05/07/2015
Date of previous issue	: No previous validation
Version	: 1
Prepared by	: IHS
Key to abbreviations	: 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
Date of issue/Date of revision	: 05/07/2015 Date of previous issue : No previous validation Version : 1 13/14

Section 16. Other information

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.