

## 2. HAZARDS IDENTIFICATION

**Recommended Use** Lubricant  
**Chemical Nature** Mixture  
**Emergency Telephone Number**  
 CHEMTREC® 800-424-9300

## 2. HAZARDS IDENTIFICATION

**CAUTION**  
May cause skin irritation  
May cause eye irritation

### Physical State Grease

**Odor** Oily

Eye contact, Skin contact.  
None known.

May cause eye irritation.  
May cause skin irritation.  
May cause irritation of respiratory tract.  
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea .  
Prolonged exposure may cause chronic effects. Lung edema . Prolonged or repeated exposure may result in irritation of the skin, resulting in drying, redness and possible blistering.  
No information available  
Skin disorders.  
See Section 12 for additional Ecological information

Component	Value
1. <b>Introduction</b>	10%
2. <b>Methodology</b>	20%
3. <b>Results</b>	30%
4. <b>Discussion</b>	20%
5. <b>Conclusion</b>	10%
6. <b>References</b>	10%

CAS-No

Antimony dialkyldithiocarbamate

15890-25-2

Barium dinonylnaphthalene sulfonate

25619-56-1

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Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)

64742-52-5

Styrene-Ethylene/Propylene Block Copolymer

68648-89-5

White mineral oil, solvent refined

8042-47-5

Aluminum benzoate fatty acid complex

82980-54-9

**General Advice**  
**Eye Contact**  
**Skin Contact**  
**Inhalation**  
**Ingestion**  
**Notes to Physician**

Avoid contact with skin, eyes and clothing.  
Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.  
Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.  
If inhaled, remove to fresh air. Get medical attention if symptoms occur.  
Drink 1 or 2 glasses of water. Do not induce vomiting. Get medical attention if symptoms occur.  
Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

Flash Point	450°F / 232°C
Autoignition Temperature	No information available
Flammability Limits in Air	No information available
Suitable Extinguishing Media	

Method	Tag closed cup
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### Specific Hazards Arising from the Chemical

Material can create slippery conditions.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	Health	1	Flammability	1	Instability	0
HMIS	Health	1	Flammability	1	Instability	0

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions  
Environmental Precautions  
Methods for Containment  
Methods for Cleaning Up

Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.  
Do not flush into surface water or sanitary sewer system.  
No information available  
Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

Handling  
Storage  
Storage Temperature  
Storage Conditions

Avoid contact with skin, eyes and clothing.  
Keep container tightly closed in a dry and well-ventilated place.

**Minimum** 0°F / -18°C

Indoor X

Outdoor X

**Maximum Heated** 120°F / 49°C

Refrigerated

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Antimony dialkyldithiocarbamate	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	IDLH: 50 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>
Barium dinonylnaphthalene sulfonate	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	No data available	no data available	no data available
Styrene-Ethylene/Propylene Block Copolymer	No data available	no data available	no data available
White mineral oil, solvent refined	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	IDLH 2500 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup>
Aluminum benzoate fatty acid complex	No data available	no data available	no data available

## Engineering Measures

Ensure adequate ventilation, especially in confined areas

## Personal Protective Equipment

## Eye/Face Protection

Safety glasses with side-shields.

## Skin Protection

For prolonged or repeated contact use protective gloves.

## Respiratory Protection

No special protective equipment required

## General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Grease	Viscosity	Semi-Solid
Color	Red	Odor	Oily
Appearance	Opaque	pH	Not applicable
Specific Gravity	0.89	Bulk Density	No data available
Evaporation Rate	No information available	Percent Volatile (Volume)	0
VOC Content (%)	0	Vapor Pressure	<0.01 mmHg @ 70 °F
Vapor Density	4.2	Solubility	Insoluble
Boiling Point/Range	>450°F / 232°C		

## 10. STABILITY AND REACTIVITY

## Chemical Stability

Stable under normal conditions. Hazardous polymerization does not occur .

## Conditions to Avoid

Extremes of temperature and direct sunlight.

## Incompatible Products

Strong oxidizing agents. Reducing agents.

## Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides . Antimony oxide. Sulfides . Hydrogen sulfide and smoke.. Aldehydes . Amines. Ketones. Hydrocarbons.

## Possibility of Hazardous Reactions

Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

## Product Information

No information available

## Component Information

## Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Antimony dialkyldithiocarbamate	no data available	no data available	no data available	no data available	no data available
Barium dinonylnaphthalene sulfonate	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2.18 mg/L ( Rat ) 4 h	no data available	no data available
Styrene-Ethylene/Propylene Block Copolymer	no data available	no data available	no data available	no data available	no data available
White mineral oil, solvent refined	5000 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Aluminum benzoate fatty acid complex	no data available	no data available	no data available	no data available	no data available

## Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Antimony dialkyldithiocarbamate	no data available	no data available	no data available	no data available	respiratory system, CVS, skin, eyes
Barium dinonylnaphthalene sulfonate	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Styrene-Ethylene/Propylene Block Copolymer	no data available	no data available	no data available	no data available	no data available
White mineral oil, solvent refined	no data available	no data available	no data available	no data available	no data available
Aluminum benzoate fatty acid complex	no data available	no data available	no data available	no data available	no data available

## Carcinogenicity

Component	ACGIH	IARC
Antimony dialkyldithiocarbamate	not applicable	not applicable
Barium dinonylnaphthalene sulfonate	not applicable	not applicable
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	not applicable	not applicable
Styrene-Ethylene/Propylene Block Copolymer	not applicable	not applicable
White mineral oil, solvent refined	not applicable	not applicable
Aluminum benzoate fatty acid complex	not applicable	not applicable

Component	NTP	OSHA	Other
Antimony dialkyldithiocarbamate	not applicable	not applicable	not applicable
Barium dinonylnaphthalene sulfonate	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	not applicable	not applicable	not applicable
Styrene-Ethylene/Propylene Block Copolymer	not applicable	not applicable	not applicable
White mineral oil, solvent refined	not applicable	not applicable	not applicable

Aluminum benzoate fatty acid complex	not applicable	not applicable	not applicable
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## 12. ECOLOGICAL INFORMATION

Product Information No information available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Antimony dialkyldithiocarbamate	no data available	no data available	no data available	no data available	N/A
Barium dinonylnaphthalene sulfonate	no data available	no data available	no data available	no data available	N/A
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	no data available	LC50> 5000 mg/L Pimephales promelas 96 h	no data available	EC50 > 1000 mg/L 48 h	N/A
Styrene-Ethylene/Propylene Block Copolymer	no data available	no data available	no data available	no data available	N/A
White mineral oil, solvent refined	no data available	LC50> 10000 mg/L Lepomis macrochirus 96 h	no data available	no data available	6
Aluminum benzoate fatty acid complex	no data available	no data available	no data available	no data available	N/A

Persistence and Degradability No information available  
Bioaccumulation No information available  
Mobility No information available

## 13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations  
Container Disposal Do not re-use empty containers

## 14. TRANSPORT INFORMATION

DOT Not regulated  
TDG Not regulated  
ICAO Not regulated  
IATA Not regulated  
IMDG/IMO Not regulated

## 15. REGULATORY INFORMATION

Inventories

TSCA Complies  
DSL Does not Comply  
U.S. Federal Regulations  
SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Antimony dialkyldithiocarbamate	15890-25-2	1-5	1.0
Barium dinonylnaphthalene sulfonate	25619-56-1	1-5	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Antimony dialkyldithiocarbamate	Not applicable	Not applicable
Barium dinonylnaphthalene sulfonate	Not applicable	Not applicable
Petroleum distillates, hydrotreated heavy naphthenic (<3% DMSO extractable)	Not applicable	Not applicable
Styrene-Ethylene/Propylene Block Copolymer	Not applicable	Not applicable
White mineral oil, solvent refined	Not applicable	Not applicable
Aluminum benzoate fatty acid complex	Not applicable	Not applicable

Canada

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

WHMIS Hazard Class  
D2B Toxic materials .



## 16. OTHER INFORMATION

Prepared By Dan Hollas  
Supersedes Date 09/07/2005  
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Reason for Revision	No information available
Glossary	No information available
List of References	No information available

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