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**SECTION 1. IDENTIFICATION** 

Product name : PTC

:

SDS-Identcode : 308G

Manufacturer or supplier's details

Company name of supplier : Bestolife Corporation

Address : 2777 N. Stemmons Frwy Ste 1800

Dallas TX 75207,

Telephone : 855-243-9164/972-865-8961

Telefax : 214-631-3047

Emergency telephone : CHEMTREC U.S.: 800-424-9300, International 703-527-3887

(24-hours/7 days)

Recommended use of the chemical and restrictions on use

Recommended use : Industrial use

Thread Compound (Pipe Dope) and Jacking grease for use in

Offshore industries

Mining, (without offshore industries)

Restrictions on use : Do not use on oxygen lines or in oxygen enriched

atmospheres.

#### **SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** 

Not a hazardous substance or mixture.

**GHS Label element** 

Not a hazardous substance or mixture.

Other hazards

None known.

## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

#### **Hazardous ingredients**

Chemical Name	CAS-No.	Concentration (%)
Distillates (petroleum), hydrotreated heavy naph-	64742-52-5	>= 30 - < 50
thenic		
Distillates (petroleum), hydrotreated heavy par-	64742-54-7	>= 30 - < 50





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affinic		
Graphite	7782-42-5	>= 10 - < 20
Tris[bis(2-ethylhexyl)dithiocarbamato-S,S'] anti-	15991-76-1	>= 1 - < 5
mony		
Talc	14807-96-6	>= 1 - < 5
Hydrogen sulfide	7783-06-4	>= 0.1 - < 1

#### **SECTION 4. FIRST AID MEASURES**

If inhaled : If inhaled, remove to fresh air.

Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution.

Get medical attention if symptoms occur.

In case of eye contact : Flush eyes with water as a precaution.

Get medical attention if irritation develops and persists.

If swallowed, DO NOT induce vomiting.

Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms

and effects, both acute and

delayed

: None known.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically and supportively.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water spray

Alcohol-resistant foam Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

: None known.

Specific hazards during fire

fighting

: Exposure to combustion products may be a hazard to health.

Hazardous combustion prod-

ucts

: Carbon oxides Fluorine compounds

Nitrogen oxides (NOx)

Sulfur oxides Metal oxides

Specific extinguishing meth-

ods

: Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Use water spray to cool unopened containers.





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Remove undamaged containers from fire area if it is safe to do

SO.

Evacuate area.

Special protective equipment

for fire-fighters

: Wear self-contained breathing apparatus for firefighting if nec-

essary.

Use personal protective equipment.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emer-

gency procedures

Personal precautions, protec- : Follow safe handling advice and personal protective equip-

ment recommendations.

Environmental precautions : Discharge into the environment must be avoided.

Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water.

Local authorities should be advised if significant spillages

cannot be contained.

Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable con-

tainer for disposal.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter-

mine which regulations are applicable.

Sections 13 and 15 of this SDS provide information regarding

certain local or national requirements.

#### **SECTION 7. HANDLING AND STORAGE**

Technical measures : See Engineering measures under EXPOSURE

CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Handle in accordance with good industrial hygiene and safety

practice.

Take care to prevent spills, waste and minimize release to the

environment.

Conditions for safe storage : Keep in properly labeled containers.

Store in accordance with the particular national regulations.

Materials to avoid : Do not store with the following product types:

Strong oxidizing agents

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters



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Ingredients	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
Distillates (petroleum),	64742-52-5	TWA (Mist)	5 mg/m3	OSHA Z-1
hydrotreated heavy naphthenic		T\A/A /I - I - I	F / 0	400111
		TWA (Inhal- able fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
Graphite	7782-42-5	TWA (Res-	2.5 mg/m3	NIOSH REL
		pirable)		
		TWA (Res-	2 mg/m3	ACGIH
		pirable frac-		
		tion)		
		TWA (Dust)	15 Million	OSHA Z-3
			particles per cubic	
			foot	
Tris[bis(2-	15991-76-1	TWA	0.5 mg/m3	OSHA Z-1
ethylhexyl)dithiocarbamato-			(antimony)	
S,S'] antimony		T10/0	0.5 / 0	400111
		TWA	0.5 mg/m3	ACGIH
		T) A / A	(antimony)	NIOCH DEL
		TWA	0.5 mg/m3 (antimony)	NIOSH REL
Talc	14807-96-6	TWA (Dust)	20 Million	OSHA Z-3
			particles per cubic	
			foot	
		TWA (Res-	2 mg/m3	NIOSH REL
		pirable)		1000
		TWA (Res-	2 mg/m3	ACGIH
		pirable frac-		
Hydrogen sulfide	7783-06-4	tion) TWA	1 ppm	ACGIH
Trydrogen sunde	1100-00-4	STEL	5 ppm	ACGIH
		C	10 ppm	NIOSH REL
			15 mg/m3	MOSHREL
		CEIL	20 ppm	OSHA Z-2
		Peak	50 ppm	OSHA Z-2

## **Engineering measures**

: Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m3 - total dust, 5 mg/m3 - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m3 - respirable particles, 10 mg/m3 - inhalable particles.





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### Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to

maintain vapor exposures below recommended limits. Where

concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided

by air purifying respirators against exposure to any

hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other

circumstance where air purifying respirators may not provide

adequate protection.

Hand protection

Remarks : Wash hands before breaks and at the end of workday.

Eye protection : Wear the following personal protective equipment:

Safety glasses

Skin and body protection : Skin should be washed after contact.

Hygiene measures : Ensure that eye flushing systems and safety showers are

located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Viscous semi-solid

Color : black

Odor : Petroleum

Odor Threshold : No data available

pH : Not applicable (not an aqueous solution)

: No data available

: No data available

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available



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Lower explosion limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Relative density : 1.1

Density : No data available

Solubility(ies)

Water solubility : negligible

Partition coefficient: n-

octanol/water

: No data available

Autoignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Flow time : No data available

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Molecular weight : No data available

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reac-

tions

: Can react with strong oxidizing agents.

Conditions to avoid : None known.

Incompatible materials : Oxidizing agents

Hazardous decomposition

products

: No hazardous decomposition products are known.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

## Information on likely routes of exposure



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Skin contact Ingestion Eye contact

**Acute toxicity** 

Not classified based on available information.

**Product:** 

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 30000 ppm

Exposure time: 4 h
Test atmosphere: gas
Method: Calculation method

**Ingredients:** 

Distillates (petroleum), hydrotreated heavy naphthenic:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Method: OECD Test Guideline 401

Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): > 5.53 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Method: OECD Test Guideline 402

Remarks: Based on data from similar materials

Distillates (petroleum), hydrotreated heavy paraffinic:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Method: OECD Test Guideline 401

Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): > 5.53 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Method: OECD Test Guideline 402

Remarks: Based on data from similar materials

Graphite:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 401

Assessment: The substance or mixture has no acute oral tox-





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icity

Acute inhalation toxicity : LC50 (Rat): > 2 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Tris[bis(2-ethylhexyl)dithiocarbamato-S,S'] antimony:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Remarks: Based on data from similar materials

Talc:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Remarks: Based on data from similar materials

Hydrogen sulfide:

Acute inhalation toxicity : LC50 (Rat): 444 ppm

Exposure time: 4 h Test atmosphere: gas

### Skin corrosion/irritation

Not classified based on available information.

### **Ingredients:**

#### Distillates (petroleum), hydrotreated heavy naphthenic:

Species: Rabbit

Result: No skin irritation

Remarks: Based on data from similar materials

## Distillates (petroleum), hydrotreated heavy paraffinic:

Species: Rabbit

Result: No skin irritation

Remarks: Based on data from similar materials

Graphite:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

Talc:

Species: Rabbit

Result: No skin irritation

### Serious eye damage/eye irritation

Not classified based on available information.

#### Ingredients:

## Distillates (petroleum), hydrotreated heavy naphthenic:

Species: Rabbit





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Result: No eye irritation

Remarks: Based on data from similar materials

Distillates (petroleum), hydrotreated heavy paraffinic:

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

Remarks: Based on data from similar materials

**Graphite:** 

Species: Rabbit

Result: No eye irritation

Talc:

Species: Rabbit

Result: No eye irritation

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

**Ingredients:** 

Distillates (petroleum), hydrotreated heavy naphthenic:

Test Type: Buehler Test

Routes of exposure: Skin contact

Species: Guinea pig Result: negative

Remarks: Based on data from similar materials

Distillates (petroleum), hydrotreated heavy paraffinic:

Test Type: Buehler Test

Routes of exposure: Skin contact

Species: Guinea pig

Method: OECD Test Guideline 406

Result: negative

Remarks: Based on data from similar materials

**Graphite:** 

Test Type: Local lymph node assay (LLNA)

Routes of exposure: Skin contact

Species: Mouse Result: negative

Talc:

Routes of exposure: Skin contact

Species: Humans Result: negative

Germ cell mutagenicity

Not classified based on available information.

**Ingredients:** 

Distillates (petroleum), hydrotreated heavy naphthenic:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)





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Method: OECD Test Guideline 471

Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo

cytogenetic assay) Species: Mouse

Application Route: Intraperitoneal injection Method: OECD Test Guideline 474

Result: negative

Remarks: Based on data from similar materials

Distillates (petroleum), hydrotreated heavy paraffinic:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)

Method: OECD Test Guideline 471

Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo

cytogenetic assay) Species: Mouse

Application Route: Intraperitoneal injection Method: OECD Test Guideline 474

Result: negative

Remarks: Based on data from similar materials

**Graphite:** 

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)

Result: negative

Talc:

Genotoxicity in vitro : Test Type: DNA damage and repair, unscheduled DNA syn-

thesis in mammalian cells (in vitro)

Result: negative

Genotoxicity in vivo : Test Type: Chromosome aberration test in vitro

Species: Rat

Application Route: Ingestion

Result: negative

Hydrogen sulfide:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)

Method: OECD Test Guideline 471

Result: negative

Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)

Species: Rat

Application Route: inhalation (gas)

Result: negative

Carcinogenicity

Not classified based on available information.

Ingredients:

Distillates (petroleum), hydrotreated heavy naphthenic:

Species: Mouse



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Application Route: Skin contact Exposure time: 78 weeks

Method: OECD Test Guideline 451

Result: negative

Distillates (petroleum), hydrotreated heavy paraffinic:

Species: Mouse

Application Route: Skin contact Exposure time: 78 weeks

Method: OECD Test Guideline 451

Result: negative

Remarks: Based on data from similar materials

Talc:

Species: Mouse

Application Route: inhalation (dust/mist/fume)

Exposure time: 2 Years

Result: negative

IARC No ingredient of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

**OSHA**No ingredient of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential carcino-

gen by OSHA.

NTP No ingredient of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

Reproductive toxicity

Not classified based on available information.

**Ingredients:** 

Distillates (petroleum), hydrotreated heavy paraffinic:

Effects on fertility : Test Type: Reproduction/Developmental toxicity screening

test

Species: Rat

Application Route: Ingestion

Result: negative

Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Embryo-fetal development

Species: Rat

Application Route: Skin contact Method: OECD Test Guideline 414

Result: negative

Remarks: Based on data from similar materials

**Graphite:** 

Effects on fertility : Test Type: Combined repeated dose toxicity study with the

reproduction/developmental toxicity screening test

Species: Rat

Application Route: Ingestion





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Method: OECD Test Guideline 422

Result: negative

Effects on fetal development : Test Type: Combined repeated dose toxicity study with the

reproduction/developmental toxicity screening test

Species: Rat

Application Route: Ingestion Method: OECD Test Guideline 422

Result: negative

Talc:

Effects on fetal development : Test Type: Embryo-fetal development

Species: Rat

Application Route: Ingestion

Result: negative

Hydrogen sulfide:

Effects on fertility : Test Type: Reproduction/Developmental toxicity screening

test

Species: Rat

Application Route: inhalation (gas)

Result: negative

Effects on fetal development : Test Type: Embryo-fetal development

Species: Rat

Application Route: inhalation (gas)

Result: negative

### STOT-single exposure

Not classified based on available information.

Ingredients:

Hydrogen sulfide:

Assessment: May cause respiratory irritation.

#### STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

**Ingredients:** 

Distillates (petroleum), hydrotreated heavy naphthenic:

Species: Rat

NOAEL: > 0.98 mg/l

Application Route: inhalation (dust/mist/fume)

Exposure time: 28 d

Remarks: Based on data from similar materials

Distillates (petroleum), hydrotreated heavy paraffinic:

Species: Rabbit NOAEL: 1,000 mg/kg

Application Route: Skin contact

Exposure time: 4 w

Method: OECD Test Guideline 410





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Remarks: Based on data from similar materials

Species: Rat

NOAEL: > 980 mg/m3

Application Route: inhalation (dust/mist/fume)

Exposure time: 4 w

**Graphite:**Species: Rat
NOAEL: 12 mg/m3

Application Route: inhalation (dust/mist/fume)

Exposure time: 28 d

Method: OECD Test Guideline 412

## **Aspiration toxicity**

Not classified based on available information.

#### **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

### **Ingredients:**

Distillates (petroleum), hydrotreated heavy naphthenic:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Remarks: Based on data from similar materials

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): > 10,000 mg/l

Exposure time: 48 h

Remarks: Based on data from similar materials

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): > 100

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: Based on data from similar materials

Toxicity to daphnia and other

aquatic invertebrates (Chron-

ic toxicity)

: NOEC (Daphnia magna (Water flea)): 10 mg/l

Exposure time: 21 d

Remarks: Based on data from similar materials

Toxicity to bacteria : NOEC: > 1.93 mg/l

Exposure time: 10 min

Remarks: Based on data from similar materials

Distillates (petroleum), hydrotreated heavy paraffinic:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Remarks: Based on data from similar materials

Toxicity to daphnia and other

: EC50 (Daphnia magna (Water flea)): > 10,000 mg/l

aquatic invertebrates

Exposure time: 48 h

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Method: OECD Test Guideline 202

Remarks: Based on data from similar materials

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): > 100

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: Based on data from similar materials

Toxicity to daphnia and other

aquatic invertebrates (Chron-

ic toxicity)

: NOEC (Daphnia magna (Water flea)): 10 mg/l

Exposure time: 21 d

Method: OECD Test Guideline 211

Remarks: Based on data from similar materials

Toxicity to bacteria : NOEC: > 1.93 mg/l

Exposure time: 10 min Method: DIN 38 412 Part 8

Remarks: Based on data from similar materials

**Graphite:** 

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): > 100

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to bacteria : EC50: > 1,012.5 mg/l

Exposure time: 3 h

Method: OECD Test Guideline 209

Tris[bis(2-ethylhexyl)dithiocarbamato-S,S'] antimony:

Toxicity to daphnia and other

Exposure time: 21 d

: NOEC (Daphnia magna (Water flea)): 0.02 mg/l

aquatic invertebrates (Chron-

ic toxicity)

Method: OECD Test Guideline 211

Remarks: Based on data from similar materials

M-Factor (Chronic aquatic

toxicity)

: 1

**Ecotoxicology Assessment** 

Chronic aquatic toxicity : Very toxic to aquatic organ

: Very toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

Talc:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 100,000 mg/l

Exposure time: 24 h

Hydrogen sulfide:





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Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.0144 mg/l

Exposure time: 96 h

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia sp.): 0.12 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae : ErC50 (Scenedesmus subspicatus): 1.87 mg/l

Exposure time: 24 h

M-Factor (Acute aquatic tox-

icity)

: 10

Toxicity to bacteria : EC50: 29 mg/l

Method: ISO 8192

### Persistence and degradability

### **Ingredients:**

Distillates (petroleum), hydrotreated heavy naphthenic:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 2 - 4 % Exposure time: 28 d

Method: OECD Test Guideline 301B

Distillates (petroleum), hydrotreated heavy paraffinic:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 31 % Exposure time: 28 d

Method: OECD Test Guideline 301F

Tris[bis(2-ethylhexyl)dithiocarbamato-S,S'] antimony:

Biodegradability : Result: Not readily biodegradable.

Remarks: Based on data from similar materials

Hydrogen sulfide:

Biodegradability : Result: rapidly degradable

**Bioaccumulative potential** 

No data available

Mobility in soil

No data available

Other adverse effects

No data available

### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.





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Empty containers should be taken to an approved waste han-

dling site for recycling or disposal.

#### **SECTION 14. TRANSPORT INFORMATION**

## **International Regulation**

**UNRTDG** 

UN number : UN 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S.

(Tris[bis(2-ethylhexyl)dithiocarbamato-S,S'] antimony)

Class : 9
Packing group : III
Labels : 9

**IATA-DGR** 

UN/ID No. : UN 3077

Proper shipping name : Environmentally hazardous substance, solid, n.o.s.

(Tris[bis(2-ethylhexyl)dithiocarbamato-S,S'] antimony)

Class : 9
Packing group : III

Labels : Miscellaneous

Packing instruction (cargo

aircraft)

Packing instruction (passen-

ger aircraft)

956 956

**3** - - - ,

**IMDG-Code** 

UN number : UN 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S.

(Tris[bis(2-ethylhexyl)dithiocarbamato-S,S'] antimony)

Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### **Domestic regulation**

49 CFR

UN/ID/NA number : UN 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S.

9

(Tris[bis(2-ethylhexyl)dithiocarbamato-S,S'] antimony)

Class :

Packing group : III
Labels : CLASS 9
ERG Code : 171

16





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Marine pollutant : yes (Tris[bis(2-ethylhexyl)dithiocarbamato-S,S'] antimony)

Remarks : Above applies only to containers over 119 gallons or 450

liters., Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard

classification to facilitate multi-modal transport involving ICAO

(IATA) or IMO.

#### **SECTION 15. REGULATORY INFORMATION**

## **EPCRA - Emergency Planning and Community Right-to-Know**

#### **CERCLA Reportable Quantity**

Ingredients	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Hydrogen sulfide	7783-06-4	100	19410
Ammonia	7664-41-7	100	*

<sup>\*:</sup> Calculated RQ exceeds reasonably attainable upper limit.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

Ingredients	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Hydrogen sulfide	7783-06-4	100	19410
Ammonia	7664-41-7	100	*

<sup>\*:</sup> Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : The following components are subject to reporting levels

established by SARA Title III, Section 302:

Hydrogen sulfide 7783-06-4 0.5152 %

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

Tris[bis(2- 15991-76-1 2.7232 %

ethylhex-

yl)dithiocarbamato-S,S']

antimony

Antimony, dialkyl dithio- 15890-25-2 0.5888 %

carbamate

### **US State Regulations**

### Pennsylvania Right To Know

Distillates (petroleum), hydrotreated heavy 64742-52-5 30 - 50 % naphthenic

Distillates (petroleum), hydrotreated heavy

64742-54-7 30 - 50 %

paraffinic



# **PTC**

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	Graphite			7782-42-5	10 - 20 %
	Hydroxystea	arate sebacate lithium	complexes	68815-49-6	5 - 10 %
	Polytetraflu	oroethylene		9002-84-0	5 - 10 %
	Talc			14807-96-6	1 - 5 %
	Hydrogen s	ulfide		7783-06-4	0.1 - 1 %
	Ammonia			7664-41-7	0 - 0.1 %
New J	ersey Right To Know	ı			
	Distillates (p	petroleum), hydrotreat	ed heavy	64742-52-5	30 - 50 %
	Distillates (p paraffinic	petroleum), hydrotreat	ed heavy	64742-54-7	30 - 50 %
	Graphite			7782-42-5	10 - 20 %
	Hydroxystea	arate sebacate lithium	complexes	68815-49-6	5 - 10 %
	Polytetraflu	oroethylene		9002-84-0	5 - 10 %
	Tris[bis(2-ei antimony	thylhexyl)dithiocarbam	ato-S,S']	15991-76-1	1 - 5 %
	Talc			14807-96-6	1 - 5 %
Califo	rnia Prop 65	WARNING! This State of Califorr	•	ntains a chemica cancer.	I known in the
	Quartz			14808-60-7	

## The ingredients of this product are reported in the following inventories:

DSL : All components of this product are on the Canadian DSL

TSCA : All chemical substances in this material are included on or

exempted from listing on the TSCA Inventory of Chemical

Substances.

## **Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)



## **PTC**

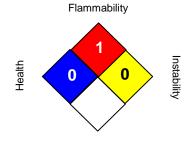
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### **SECTION 16. OTHER INFORMATION**

#### **Further information**

# NFPA:



Special hazard.

#### HMIS III:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-

its for Air Contaminants

OSHA Z-2 : USA. Occupational Exposure Limits (OSHA) - Table Z-2 OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min-

eral Dusts

ACGIH / TWA : 8-hour, time-weighted average ACGIH / STEL : Short-term exposure limit

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded

at any time during a workday

NIOSH REL / C : Ceiling value not be exceeded at any time.

OSHA Z-1 / TWA : 8-hour time weighted average OSHA Z-2 / CEIL : Acceptable ceiling concentration

OSHA Z-2 / Peak : Acceptable maximum peak above the acceptable ceiling con-

centration for an 8-hr shift

OSHA Z-3 / TWA : 8-hour time weighted average

Sources of key data used to compile the Material Safety

**Data Sheet** 

: Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen-

cy, http://echa.europa.eu/

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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and



## **PTC**

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shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8