



# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name or designation of the mixture	Termalene Multipurpose EP Gr 2
Product code	301091
SDS number	6885
Registration number	-
Synonyms	Old Product Code 72440; For Package Codes 301091XXXXXX
Issue date	08-September-2016
Version number	5,0
Revision date	10-July-2018
Supersedes date	03-October-2017

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Lubricant
Uses advised against	None known.

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

Company name	Calumet Branded Products, LLC
Address	Calumet International, Inc. Pa Monument Chemical BVBA Haven 1972, Ketenislaan 3 B-9130 Kallo (Kiedrecht) BE

#### Division

Telephone	+32 3 570 25 20
e-mail	technical@calumetspecialty.com
Contact person	Not available.

1.4. Emergency telephone number	CHEMTREC	1-703-527-3887
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

##### Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.
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**Hazard summary** Dangerous for the environment if discharged into watercourses. Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.

### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms	None.
Signal word	None.
Hazard statements	H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

Prevention	P273 Avoid release to the environment.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label information**

None.

**2.3. Other hazards**

None known.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Distillates (petroleum), hydrotreated heavy naphthenic	0 - < 100	64742-52-5 265-155-0	01-2119467170-45	649-465-00-7	
<b>Classification:</b>	-				L
Distillates (petroleum), hydrotreated heavy paraffinic	0 - < 100	64742-54-7 265-157-1	01-2119484627-25	649-467-00-8	
<b>Classification:</b>	-				L
White mineral oil (petroleum)	0 - < 100	8042-47-5 232-455-8	01-2119487078-27	-	
<b>Classification:</b>	Asp. Tox. 1;H304				
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)-	5 - < 10	54326-11-3 259-105-7	01-2120127786-48	-	
<b>Classification:</b>	-				
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic	5 - < 10	64742-65-0 265-169-7	01-2119471299-27	649-474-00-6	
<b>Classification:</b>	-				L
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY	5 - < 10	64742-70-7 265-174-4	01-2119487080-42	649-477-00-2	
<b>Classification:</b>	-				L
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate)	1 - < 3	15874-48-3 240-001-5	-	051-003-00-9	
<b>Classification:</b>	Acute Tox. 4;H302, Acute Tox. 4;H332, Aquatic Chronic 2;H411				1,A

Other components below reportable levels 20 - &lt; 30

**List of abbreviations and symbols that may be used above**

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments**

The full text for all H-statements is displayed in section 16.

**SECTION 4: First aid measures****General information**

Not available.

**4.1. Description of first aid measures****Inhalation**

Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact**

Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact**

Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion**

Rinse mouth. Get medical attention if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed**

Irritation of eyes and mucous membranes. Skin irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## SECTION 5: Firefighting measures

General fire hazards	Not available.
<b>5.1. Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water fog.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>5.2. Special hazards arising from the substance or mixture</b>	During fire, gases hazardous to health may be formed.
<b>5.3. Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Wear suitable protective equipment.
<b>Special fire fighting procedures</b>	Not available.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>For non-emergency personnel</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.
<b>For emergency responders</b>	Not available.
<b>6.2. Environmental precautions</b>	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
<b>6.3. Methods and material for containment and cleaning up</b>	This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Following product recovery, flush area with water.  Never return spills to original containers for re-use.
<b>6.4. Reference to other sections</b>	For personal protection, see section 8. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
<b>7.3. Specific end use(s)</b>	Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	MAK	0,5 mg/m <sup>3</sup>	Inhalable fraction.
	STEL	1,5 mg/m <sup>3</sup>	Inhalable fraction.

##### Belgium. Exposure Limit Values.

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m <sup>3</sup>	

**Belgium. Exposure Limit Values.**

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
White mineral oil (petroleum) (CAS 8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

**Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m3
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m3
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TWA	5 mg/m3
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TWA	5 mg/m3
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	5 mg/m3
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m3

**Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	MAC	0,5 mg/m3

**Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.**

<b>Components</b>	<b>Type</b>	<b>Value</b>
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m3

**Czech Republic. OELs. Government Decree 361 Components**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	Ceiling	1,5 mg/m <sup>3</sup>	
	TWA	0,5 mg/m <sup>3</sup>	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Ceiling	1000 mg/m <sup>3</sup>	
	TWA	200 mg/m <sup>3</sup>	
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	Ceiling	10 mg/m <sup>3</sup>	Aerosol
	TWA	5 mg/m <sup>3</sup>	Aerosol
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	Ceiling	10 mg/m <sup>3</sup>	Aerosol
	TWA	5 mg/m <sup>3</sup>	Aerosol
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	Ceiling	10 mg/m <sup>3</sup>	Aerosol
	TWA	5 mg/m <sup>3</sup>	Aerosol
White mineral oil (petroleum) (CAS 8042-47-5)	Ceiling	10 mg/m <sup>3</sup>	Aerosol
	TWA	5 mg/m <sup>3</sup>	Aerosol

**Denmark. Exposure Limit Values Components**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TLV	1 mg/m <sup>3</sup>	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TLV	1 mg/m <sup>3</sup>	Mist.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TLV	1 mg/m <sup>3</sup>	Mist.
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TLV	1 mg/m <sup>3</sup>	Mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TLV	1 mg/m <sup>3</sup>	Mist.
White mineral oil (petroleum) (CAS 8042-47-5)	TLV	1 mg/m <sup>3</sup>	Mist.

**Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)**

Components	Type	Value
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (CAS 54326-11-3)	TWA	2 mg/m <sup>3</sup>

**Finland. Workplace Exposure Limits Components**

Components	Type	Value	Form
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (CAS 54326-11-3)	TWA	2 mg/m <sup>3</sup>	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m <sup>3</sup>	

**Finland. Workplace Exposure Limits Components**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	5 mg/m3	Mist.

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 Components**

Components	Type	Value
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	VME	0,5 mg/m3

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG) Components**

Components	Type	Value	Form
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m3	Respirable fraction.

**Greece. OELs (Decree No. 90/1999, as amended) Components**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m3	Mist.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TWA	5 mg/m3	Mist.
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TWA	5 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	5 mg/m3	Mist.
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m3	Mist.

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces Components**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	STEL	2 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	0,5 mg/m3	
	Ceiling	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	Ceiling	5 mg/m3	Mist.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	Ceiling	5 mg/m3	Mist.

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Components	Type	Value	Form
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	Ceiling	5 mg/m <sup>3</sup>	Mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	Ceiling	5 mg/m <sup>3</sup>	Mist.
White mineral oil (petroleum) (CAS 8042-47-5)	Ceiling	5 mg/m <sup>3</sup>	Mist.

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value	Form
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (CAS 54326-11-3)	TWA	2 mg/m <sup>3</sup>	
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m <sup>3</sup>	Dust.
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	1 mg/m <sup>3</sup>	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	1 mg/m <sup>3</sup>	Mist.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TWA	1 mg/m <sup>3</sup>	Mist.
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TWA	1 mg/m <sup>3</sup>	Mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	1 mg/m <sup>3</sup>	Mist.
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	1 mg/m <sup>3</sup>	Mist.

**Ireland. Occupational Exposure Limits**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m <sup>3</sup>	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction.

**Italy. Occupational Exposure Limits**

Components	Type	Value	Form
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (CAS 54326-11-3)	TWA	1 mg/m <sup>3</sup>	Respirable fraction.
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m <sup>3</sup>	

**Italy. Occupational Exposure Limits Components**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TWA	5 mg/m3	Inhalable fraction.
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TWA	5 mg/m3	Inhalable fraction.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	5 mg/m3	Inhalable fraction.
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TWA	5 mg/m3
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	5 mg/m3

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

Components	Type	Value	Form
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (CAS 54326-11-3)	TWA	1 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	3 mg/m3	Fume and mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	1 mg/m3	Fume and mist.
	STEL	3 mg/m3	Fume and mist.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TWA	1 mg/m3	Fume and mist.
	STEL	3 mg/m3	Fume and mist.
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TWA	1 mg/m3	Fume and mist.
	STEL	3 mg/m3	Fume and mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	1 mg/m3	Fume and mist.
	STEL	3 mg/m3	Fume and mist.
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	1 mg/m3	Fume and mist.
	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.



**Netherlands. OELs (binding)**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m <sup>3</sup>	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m <sup>3</sup>	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m <sup>3</sup>	Mist.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TWA	5 mg/m <sup>3</sup>	Mist.
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TWA	5 mg/m <sup>3</sup>	Mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	5 mg/m <sup>3</sup>	Mist.
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m <sup>3</sup>	Mist.

**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TLV	0,5 mg/m <sup>3</sup>	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TLV	1 mg/m <sup>3</sup>	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TLV	1 mg/m <sup>3</sup>	Mist.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TLV	1 mg/m <sup>3</sup>	Mist.
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TLV	1 mg/m <sup>3</sup>	Mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TLV	1 mg/m <sup>3</sup>	Mist.
White mineral oil (petroleum) (CAS 8042-47-5)	TLV	1 mg/m <sup>3</sup>	Mist.

**Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m <sup>3</sup>	
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction.
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction.

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	Aerosol
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m3	Aerosol
	STEL	10 mg/m3	Aerosol
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TWA	5 mg/m3	Aerosol
	STEL	10 mg/m3	Aerosol
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TWA	5 mg/m3	Aerosol
	STEL	10 mg/m3	Aerosol
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	5 mg/m3	Aerosol
	STEL	10 mg/m3	Aerosol
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m3	Aerosol
	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m3	
	STEL	10 mg/m3	
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TWA	5 mg/m3	
	STEL	10 mg/m3	
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	TWA	5 mg/m3	
	STEL	10 mg/m3	
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	5 mg/m3	
	STEL	10 mg/m3	
White mineral oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m3	
	STEL	10 mg/m3	
	TWA	5 mg/m3	

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m3	

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	3 mg/m <sup>3</sup>	Fume and mist.
		15 ppm	Fume and mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	STEL	3 mg/m <sup>3</sup>	Fume and mist.
		15 ppm	Fume and mist.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	STEL	3 mg/m <sup>3</sup>	Fume and mist.
		15 ppm	Fume and mist.
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	STEL	3 mg/m <sup>3</sup>	Fume and mist.
		15 ppm	Fume and mist.
	TWA	1 mg/m <sup>3</sup>	Fume and mist.
		5 ppm	Fume and mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	STEL	3 mg/m <sup>3</sup>	Fume and mist.
		15 ppm	Fume and mist.
White mineral oil (petroleum) (CAS 8042-47-5)	STEL	3 mg/m <sup>3</sup>	Fume and mist.
		15 ppm	Fume and mist.
	TWA	1 mg/m <sup>3</sup>	Fume and mist.
		5 ppm	Fume and mist.

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m <sup>3</sup>	Inhalable fraction.

**Spain. Occupational Exposure Limits**

Components	Type	Value	Form
Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)	TWA	0,5 mg/m <sup>3</sup>	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.
Distillates (petroleum), Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.
PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (CAS 64742-70-7)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.

**Spain. Occupational Exposure Limits Components**

Type	Value	Form
STEL	10 mg/m3	Mist.
TWA	5 mg/m3	Mist.

**Sweden. Occupational Exposure Limit Values Components**

Type	Value	Form
TWA	1 mg/m3	Total dust.
TWA	0,25 mg/m3	Inhalable dust.
STEL	3 mg/m3	Mist.
STEL	3 mg/m3	Mist.
TWA	1 mg/m3	Mist.
STEL	3 mg/m3	Mist.
TWA	1 mg/m3	Mist.
STEL	3 mg/m3	Mist.
TWA	1 mg/m3	Mist.
STEL	3 mg/m3	Mist.
TWA	1 mg/m3	Mist.
STEL	3 mg/m3	Mist.
TWA	1 mg/m3	Mist.

**UK. EH40 Workplace Exposure Limits (WELs) Components**

Type	Value
TWA	0,5 mg/m3

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures**

Follow standard monitoring procedures.

**Derived no effect levels (DNELs)**

Not available.

**Predicted no effect concentrations (PNECs)**

Not available.

**Exposure guidelines**

Occupational Exposure Limits are not relevant to the current physical form of the product.

**8.2. Exposure controls****Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment****General information**

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

<b>Skin protection</b>	
- <b>Hand protection</b>	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
- <b>Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Hygiene measures</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
<b>Environmental exposure controls</b>	Inform appropriate managerial or supervisory personnel of all environmental releases.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	Not available.
<b>Form</b>	Liquid. Paste.
<b>Colour</b>	Not available.
<b>Odour</b>	Not available.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	360 °C (680 °F) estimated (Base Oil)
<b>Flash point</b>	214,0 °C (417,2 °F) Cleveland open cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Density</b>	871,14 kg/m <sup>3</sup>
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Negligible
<b>Solubility (other)</b>	Oil
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	260 °C (500 °F) estimated (Base Oil)
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	180 cSt (Base Oil)
<b>Viscosity temperature</b>	40 °C (104 °F)
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.

### 9.2. Other information

<b>Dropping point</b>	> 260 °C (> 500 °F)
<b>Flash point class</b>	Combustible IIIB
<b>Kinematic viscosity temperature</b>	40 °C (104 °F)
<b>Percent volatile</b>	0,03 % estimated
<b>Specific gravity</b>	0,87
<b>VOC</b>	0,03 % estimated

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Contact with incompatible materials.
<b>10.5. Incompatible materials</b>	Strong oxidising agents.
<b>10.6. Hazardous decomposition products</b>	No hazardous decomposition products are known.

## SECTION 11: Toxicological information

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
<b>Symptoms</b>	Irritation of eyes and mucous membranes. Skin irritation.

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No data available.
<b>Skin corrosion/irritation</b>	Due to partial or complete lack of data the classification is not possible.
<b>Serious eye damage/eye irritation</b>	Due to partial or complete lack of data the classification is not possible.
<b>Respiratory sensitisation</b>	Due to partial or complete lack of data the classification is not possible.
<b>Skin sensitisation</b>	Due to partial or complete lack of data the classification is not possible.
<b>Germ cell mutagenicity</b>	Due to partial or complete lack of data the classification is not possible.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Due to partial or complete lack of data the classification is not possible.
<b>Specific target organ toxicity - single exposure</b>	Due to partial or complete lack of data the classification is not possible.
<b>Specific target organ toxicity - repeated exposure</b>	Due to partial or complete lack of data the classification is not possible.
<b>Aspiration hazard</b>	Due to partial or complete lack of data the classification is not possible.
<b>Mixture versus substance information</b>	No information available.
<b>Other information</b>	Not available.

## SECTION 12: Ecological information

<b>12.1. Toxicity</b>	Harmful to aquatic life with long lasting effects. Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.
<b>12.2. Persistence and degradability</b>	No data is available on the degradability of this product.
<b>12.3. Bioaccumulative potential</b>	
<b>Bioconcentration factor (BCF)</b>	Not available.
<b>12.4. Mobility in soil</b>	No data available.
<b>12.5. Results of PBT and vPvB assessment</b>	Not available.
<b>12.6. Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### ADR

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

### ADN

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

#### Authorisations

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding**

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

#### Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances**

Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)

**Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

Antimony Tris[o,o-dipropyl] Tris(dithiophosphate) (CAS 15874-48-3)

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

**Directive 94/33/EC on the protection of young people at work**

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)

#### Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. Pregnant women should not work with the product, if there is the least risk of exposure. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

#### National regulations

Follow national regulation for work with chemical agents. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended.

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16: Other information

<b>List of abbreviations</b>	Not available.
<b>References</b>	Not available.
<b>Information on evaluation method leading to the classification of mixture</b>	The classification for health and environmental hazards is derived by a combination of calculator methods and test data, if available.
<b>Full text of any H-statements not written out in full under Sections 2 to 15</b>	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.
<b>Revision information</b>	Composition / Information on Ingredients: Disclosure Overrides GHS: Classification
<b>Training information</b>	Follow training instructions when handling this material.
<b>Disclaimer</b>	Calumet Branded Products, LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available