according to Regulation (EC) No. 1907/2006



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

1.1 Product identifier

Trade name : MOLYKOTE(R) TP-42 PASTE

Product code : 00000000002209942

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

Use of the Sub- : Lubricants and lubricant additives

stance/Mixture

1.3 Details of the supplier of the safety data sheet

Company : Dow Corning Europe S.A.

rue Jules Bordet - Parc Industriel - Zone C

B-7180 Seneffe

Telephone : English Tel: +49 611237507

Deutsch Tel: +49 611237500 Français Tel: +32 64511149 Italiano Tel: +32 64511170 Español Tel: +32 64511163

E-mail address of person responsible for the SDS

: sdseu@dowcorning.com

1.4 Emergency telephone number

Dow Corning (Barry U.K. 24h) Tél: +44 1446732350 Dow Corning (Wiesbaden 24h) Tél: +49 61122158 Dow Corning (Seneffe 24h) Tel: +32 64 888240

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### Additional Labelling:

EUH210 Safety data sheet available on request.

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#### 2.3 Other hazards

None known.

#### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

Chemical nature : Inorganic and organic compounds

Mixture

#### **Hazardous components**

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Calcium hydroxide	1305-62-0 215-137-3	Xi; R41-R37/38	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	>= 30 - < 50
White mineral oil (petro-leum)	8042-47-5 232-455-8 01- 2119487078-27	Xn; R65	Asp. Tox. 1; H304	>= 20 - < 30
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5 265-155-0	Xn; R65	Asp. Tox. 1; H304	>= 1 - < 10
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0 265-169-7	Xn; R65	Asp. Tox. 1; H304	>= 1 - < 10

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

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

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.

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#### 4.2 Most important symptoms and effects, both acute and delayed

None known.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically and supportively.

#### **SECTION 5: Firefighting measures**

5.1 Extinguishing media

Suitable extinguishing media : Water spray

Alcohol-resistant foam

Dry chemical

Carbon dioxide (CO2)

Unsuitable extinguishing

media

: None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-

fighting

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

Hazardous combustion prod-

ucts

Metal oxides Carbon oxides

Oxides of phosphorus

5.3 Advice for firefighters

Special protective equipment

for firefighters

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

essary. Use personal protective equipment.

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.

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

SO.

Evacuate area.

#### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

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

ment recommendations.

6.2 Environmental precautions

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.

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Local authorities should be advised if significant spillages

cannot be contained.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material.

For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor-

bent.

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.

#### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

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.

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.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Keep in properly labelled containers. Store in accordance with

the particular national regulations.

Advice on common storage : Do not store with the following product types:

Strong oxidizing agents

#### 7.3 Specific end use(s)

Specific use(s) : These precautions are for room temperature handling. Use at

elevated temperature or aerosol/spray applications may re-

quire added precautions.



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#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form	Control parameters	Basis		
		of exposure)				
Calcium hydroxide	1305-62-0	TWA	5 mg/m3	91/322/EEC		
Further information	Existing scientific data on health effects appear to be particularly limited, In-					
	dicative					
		TWA	5 mg/m3	GB EH40		
Further information	Where no specific short-term exposure limit is listed, a figure three times the					
	long-term exposure should be used					
Paraffin waxes and	8002-74-2	TWA (Fumes)	2 mg/m3	GB EH40		
Hydrocarbon wax-						
es						
Further information	The word 'fume' is often used to include gases and vapours. This is not the					
	case for exposure limits where 'fume' should normally be applied to solid par-					
	ticles generated by chemical reactions or condensed from the gaseous state,					
	usually after volatilisation from melted substances. The generation of fume is					
	often accompanied by a chemical reaction such as oxidation or thermal breakdown.					
	Dieakuowii.	STEL (Fumes)	6 mg/m3	GB EH40		
Further information	The word 'fum	, ,				
runner information	The word 'fume' is often used to include gases and vapours. This is not the					
	case for exposure limits where 'fume' should normally be applied to solid par-					
	ticles generated by chemical reactions or condensed from the gaseous state, usually after volatilisation from melted substances. The generation of fume is					
	often accompanied by a chemical reaction such as oxidation or thermal					
	breakdown.					
	DIGANUOWII.					

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Calcium hydroxide : End Use: Workers

Exposure routes: Inhalation

Potential health effects: Acute local effects

Value: 4 mg/m3 End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term local effects

Value: 1 mg/m3 End Use: Consumers Exposure routes: Inhalation

Potential health effects: Acute local effects

Value: 4 mg/m3 End Use: Consumers Exposure routes: Inhalation

Potential health effects: Long-term local effects

Value: 1 mg/m3

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Calcium hydroxide : Fresh water

Value: 0.49 mg/l Marine water

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Value: 0.32 mg/l Intermittent use/release Value: 0.49 mg/l Sewage treatment plant

Value: 3 mg/l

Soil

Value: 1080 mg/kg

Distillates (petroleum), solvent : Oral

refined heavy naphthenic Value: 9.33 mg/kg

#### 8.2 Exposure controls

### **Engineering measures**

Ensure adequate ventilation, especially in confined areas.

Minimize workplace exposure concentrations.

#### Personal protective equipment

Eye protection : Wear the following personal protective equipment:

Safety glasses

Hand protection

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

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

Respiratory protection : Use respiratory protection unless adequate local exhaust ven-

tilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Combined particulates and organic vapour type (A-P)

#### **SECTION 9: Physical and chemical properties**

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

Appearance : paste

Colour : white

Odour : none

Odour Threshold : No data available

pH : Not applicable

Melting point/freezing point : No data available

Initial boiling point and boiling

range

: Not applicable

Flash point : 160 °C

Method: closed cup

Evaporation rate : Not applicable

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Flammability (solid, gas) : Not classified as a flammability hazard

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : Not applicable

Relative vapour density : No data available

Relative density : 1.1

Solubility(ies)

Water solubility : No data available

Partition coefficient: n-

octanol/water

: No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : Not applicable

Explosive properties : Not explosive

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

9.2 Other information

Molecular weight : No data available

#### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

Not classified as a reactivity hazard.

#### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Can react with strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

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#### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

#### **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

Information on likely routes of : Skin contact

exposure

Ingestion
Eye contact

#### **Acute toxicity**

Not classified based on available information.

#### **Components:**

Calcium hydroxide:

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

Method: OECD Test Guideline 425

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

icity

Acute dermal toxicity : LD50 (Rabbit): > 2,500 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

Remarks: Based on data from similar materials

White mineral oil (petroleum):

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

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Assessment: The substance or mixture has no acute dermal

toxicity

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

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

Method: OECD Test Guideline 402

Remarks: Based on data from similar materials

Distillates (petroleum), solvent-dewaxed 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

#### Skin corrosion/irritation

Not classified based on available information.

#### **Product:**

Species: Rabbit

Result: No skin irritation Remarks: Based on test data

#### **Components:**

## Calcium hydroxide:

Species: Rabbit

Method: OECD Test Guideline 404

Result: Skin irritation

#### White mineral oil (petroleum):

Species: Rabbit

Result: No skin irritation

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

Species: Rabbit

Result: No skin irritation

Remarks: Based on data from similar materials

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Species: Rabbit

Result: No skin irritation

Remarks: Based on data from similar materials

#### Serious eye damage/eye irritation

Not classified based on available information.

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#### **Product:**

Species: Rabbit Result: No eye irritation Remarks: Based on test data

#### **Components:**

## Calcium hydroxide:

Species: Rabbit

Method: OECD Test Guideline 405 Result: Irreversible effects on the eye

#### White mineral oil (petroleum):

Species: Rabbit Result: No eye irritation

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

Species: Rabbit Result: No eye irritation

Remarks: Based on data from similar materials

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Species: Rabbit

Method: OECD Test Guideline 405

Result: No eye irritation

Remarks: Based on data from similar materials

#### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

#### **Components:**

#### White mineral oil (petroleum):

Test Type: Buehler Test Exposure routes: Skin contact

Species: Guinea pig Result: negative

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

Test Type: Buehler Test Exposure routes: Skin contact

Species: Guinea pig Result: negative

Remarks: Based on data from similar materials

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Test Type: Buehler Test Exposure routes: Skin contact

Species: Guinea pig

Method: OECD Test Guideline 406

Result: negative

Remarks: Based on data from similar materials

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#### Germ cell mutagenicity

Not classified based on available information.

**Components:** 

Calcium hydroxide:

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

Method: OECD Test Guideline 471

Result: negative

White mineral oil (petroleum):

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test

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 naphthenic:

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

Distillates (petroleum), solvent-dewaxed heavy paraffinic:

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: 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

Carcinogenicity

Not classified based on available information.

Components:

Calcium hydroxide:

Species: Rat

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Application Route: Ingestion Exposure time: 104 weeks

Result: negative

Remarks: Based on data from similar materials

White mineral oil (petroleum):

Species: Rat

Application Route: Ingestion Exposure time: 24 Months

Result: negative

Distillates (petroleum), hydrotreated heavy naphthenic:

Species: Mouse

Application Route: Skin contact Exposure time: 78 weeks

Method: OECD Test Guideline 451

Result: negative

Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Species: Mouse

Application Route: Skin contact Exposure time: 78 weeks

Method: OECD Test Guideline 451

Result: negative

Reproductive toxicity

Not classified based on available information.

Components:

Calcium hydroxide:

Effects on foetal develop-

ment

: Test Type: Embryo-foetal development

Species: Rat

Application Route: Ingestion

Result: negative

Remarks: Based on data from similar materials

White mineral oil (petroleum):

Effects on fertility : Test Type: One-generation reproduction toxicity study

Species: Rat

Application Route: Skin contact

Result: negative

Effects on foetal develop-

ment

: Test Type: Embryo-foetal development

Species: Rat

Application Route: Ingestion

Result: negative

Distillates (petroleum), hydrotreated heavy naphthenic:

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

est

Species: Rat

Application Route: Ingestion

Result: negative

Remarks: Based on data from similar materials

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Effects on foetal develop-

ment

: Test Type: Embryo-foetal development

Species: Rat

Application Route: Skin contact

Result: negative

Remarks: Based on data from similar materials

Distillates (petroleum), solvent-dewaxed 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 foetal develop-

ment

: Test Type: Embryo-foetal development

Species: Rat

Application Route: Skin contact Method: OECD Test Guideline 414

Result: negative

Remarks: Based on data from similar materials

### STOT - single exposure

Not classified based on available information.

#### **Components:**

#### Calcium hydroxide:

Assessment: May cause respiratory irritation.

Remarks: The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation hazard.

#### STOT - repeated exposure

Not classified based on available information.

#### Repeated dose toxicity

#### **Components:**

#### White mineral oil (petroleum):

Species: Rat LOAEL: 160 mg/kg

Application Route: Ingestion

Exposure time: 90 d

Species: Rat LOAEL: >= 1 mg/l

Application Route: inhalation (dust/mist/fume)

Exposure time: 4 w

Method: OECD Test Guideline 412

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

Species: Rat

NOAEL: > 0.98 mg/l

Application Route: inhalation (dust/mist/fume)

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Exposure time: 28 d

Remarks: Based on data from similar materials

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Species: Rabbit NOAEL: 1,000 mg/kg

Application Route: Skin contact

Exposure time: 4 w

Method: OECD Test Guideline 410

Remarks: Based on data from similar materials

Species: Rat

NOAEL: > 980 mg/m3

Application Route: inhalation (dust/mist/fume)

Exposure time: 4 w

Remarks: Based on data from similar materials

#### **Aspiration toxicity**

Not classified based on available information.

#### Components:

#### White mineral oil (petroleum):

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

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

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

#### **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### **Components:**

### Calcium hydroxide:

Toxicity to fish : LC50 (Gasterosteus aculeatus (threespine stickleback)): 457

mg/l

Exposure time: 96 h

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia magna (Water flea)): 49.1 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae : EC10 (Pseudokirchneriella subcapitata (green algae)): 79.22

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

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EC50 (Pseudokirchneriella subcapitata (green algae)): 184.57

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to bacteria : EC50: 300.4 mg/l

Exposure time: 3 h

Method: OECD Test Guideline 209

Toxicity to daphnia and other

aquatic invertebrates (Chron-

ic toxicity)

: NOEC: 32 ma/l Exposure time: 14 d

White mineral oil (petroleum):

: LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Toxicity to fish

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 : NOEC (Pseudokirchneriella subcapitata (green algae)): 100

ma/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to fish (Chronic tox-

icity)

NOEC: 1,000 mg/l Exposure time: 28 d

Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other

aquatic invertebrates (Chron-

NOEC: 1,000 mg/l Exposure time: 21 d

ic toxicity)

Species: Daphnia magna (Water flea)

Distillates (petroleum), hydrotreated heavy naphthenic:

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

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

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: Based on data from similar materials

Toxicity to bacteria : NOEC: > 1.93 mg/l

Exposure time: 10 min

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Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chron-

ic toxicity)

: NOEC: 10 mg/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

Remarks: Based on data from similar materials

Distillates (petroleum), solvent-dewaxed 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

aquatic invertebrates

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

Exposure time: 48 h

Method: OECD Test Guideline 202

Remarks: Based on data from similar materials

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

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

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

Toxicity to daphnia and other

aquatic invertebrates (Chron-

ic toxicity)

: NOEC: 10 mg/l Exposure time: 21 d

> Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

Remarks: Based on data from similar materials

#### 12.2 Persistence and degradability

#### Components:

White mineral oil (petroleum):

Biodegradability Result: Not readily biodegradable.

> Biodegradation: 31 % Exposure time: 28 d

Distillates (petroleum), hydrotreated heavy naphthenic:

Biodegradability Result: Not readily biodegradable.

Biodegradation: 2 - 4 % Exposure time: 28 d

Method: OECD Test Guideline 301B

Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Biodegradability : Result: Not readily biodegradable.

> Biodegradation: 2 - 8 % Exposure time: 28 d

according to Regulation (EC) No. 1907/2006

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Method: OECD Test Guideline 301B

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

Not relevant

#### 12.6 Other adverse effects

No data available

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

According to the European Waste Catalogue, Waste Codes

are not product specific, but application specific.

Waste codes should be assigned by the user, preferably in

discussion with the waste disposal authorities.

Contaminated packaging : Dispose of as unused product.

Empty containers should be taken to an approved waste han-

dling site for recycling or disposal.

#### **SECTION 14: Transport information**

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Not applicable

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

Remarks : Not applicable for product as supplied.

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Quantity 2

25,000 t

25,000 t

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#### **SECTION 15: Regulatory information**

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import

of dangerous chemicals

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

Regulation (EC) No 1005/2009 on substances that de-

plete the ozone layer

Regulation (EC) No 850/2004 on persistent organic pol-

lutants

: Not applicable

: Not applicable

Quantity 1

2.500 t

2,500 t

: Not applicable

: Not applicable

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of majoraccident hazards involving dangerous substances

13 Petroleum products: (a)

gasolines and naphthas. (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

34 Petroleum products: (a)

gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in

The components of this product are reported in the following inventories:

points (a) to (d)

**KECI** : All ingredients listed, exempt or notified.

**REACH** : All ingredients (pre-)registered or exempt.

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AICS : All ingredients listed or exempt.

IECSC : All ingredients listed or exempt.

ENCS/ISHL : All components are listed on ENCS/ISHL or exempted from

inventory listing.

PICCS : All ingredients listed or exempt.

DSL : All chemical substances in this product comply with the CEPA

1999 and NSNR and are on or exempt from listing on the Ca-

nadian Domestic Substances List (DSL).

TSCA : Clearance for manufacture, import, processing, or use of this

product under the United States Toxic Substances Control Act (TSCA) is based on a low volume exemption (LVE) from the Inventory listing requirements of TSCA (40 CFR 723.50(c)

(1)).

NZIoC : All ingredients listed or exempt.

#### 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)

#### Additional regulatory information

9-Octadecenyl-13-docosenate 17673-56-2

TSCA clearance for manufacture, import, processing, or use of this product is based on a low volume exemption from the Inventory listing requirements of TSCA (40 CFR 723.50(c) (1)). For activities regulated by TSCA, the following conditions apply: The LVE substance contained in the product may only be used as a lubricant. The low volume exemption specifies that processors and industrial users of this product will control exposure by using pumping and application apparatus for transfer and use whenever possible, and will landfill spent product containers.

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

#### Full text of R-Phrases

R37/38 : Irritating to respiratory system and skin.

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R41 : Risk of serious damage to eyes.

R65 : Harmful: may cause lung damage if swallowed.

**Full text of H-Statements** 

H304 : May be fatal if swallowed and enters airways.

H315 : Causes skin irritation.

H318 : Causes serious eye damage. H335 : May cause respiratory irritation.

Full text of other abbreviations

Asp. Tox. : Aspiration hazard Eye Dam. : Serious eye damage Skin Irrit. : Skin irritation

STOT SE : Specific target organ toxicity - single exposure

91/322/EEC : Europe. Commission Directive 91/322/EEC on establishing

indicative limit values

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits

91/322/EEC / TWA : Limit Value - eight hours

GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

**Further information** 

Sources of key data used to compile the Safety Data

Sheet Safety Data

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

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

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 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.

GB / EN