

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)



SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : SPECIFIC 506 01 506 00

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

4-stroke engine lubricant

1.3. Details of the supplier of the safety data sheet

Registered company name : MOTUL

Address : 119, Boulevard Felix Faure. 93300 AUBERVILLIERS CEDEX FRANCE

Telephone : 33.1.48.11.70.00. Fax: 33.1.48.33.28.79.

Email : motul_hse@motul.fr

Registered company name (importer): High Performance Lubricants Ltd
21 O'Rorke Road, Penrose, Auckland 1061
PO Box 12 826 Penrose, Auckland, New Zealand
09 571 1366

1.4 24 HOUR EMERGENCY TELEPHONE NUMBER: 09 929 1483/0800 446 881 (toll free)

1.5 NATIONAL POISON LINE 0800 764 766

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Eye irritation, Category 2 (Eye Irrit. 2, H319).

May produce an allergic reaction (EUH208).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation

6.4A

6.3B

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07

Signal Word :

WARNING

Additional labeling :

EUH208

Contains BENZENE, MONO-C10-13-ALKYL DERIVS., FRACTIONATION BOTTOMS, HEAVY ENDS, SULFONATED, CALCIUM SALTS. May produce an allergic reaction.

EUH208

Contains BENZENESULFONIC ACID, MONO C-16-24-ALKYL DERIVS., CALCIUM SALTS. May produce an allergic reaction.

Hazard statements :

H319

Causes serious eye irritation.

Precautionary statements - General :

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P264

Wash hands thoroughly after handling.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313

If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Made under licence of European Label System, Software of INFODYNE (<http://www.infodyne.fr>)

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) \geq 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 125643-61-0 EC: 406-040-9 REACTION MASS OF ISOMERS OF C7-9 ALKYL 3-(3,5-DI-TRANS-BUTYL-4-HYDROXY PHENYL)PROPIONATE	Aquatic Chronic 4, H413		1 <= x % < 2.5
CAS: 84605-29-8 EC: 283-392-8 REACH: 01-211943626-26 PHOSPHORODITHIOIC ACID, MIXED O,O-BIS (1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS	GHS05, GHS09 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411		1 <= x % < 2.5
CAS: 148520-84-7 BENZENE, MONO-C10-13-ALKYL DERIVS., FRACTIONATION BOTTOMS, HEAVY ENDS, SULFONATED, CALCIUM SALTS	GHS07 Wng Skin Sens. 1, H317		0 <= x % < 1
CAS: 70024-69-0 EC: 274-263-7 REACH: 01-2119492616-28 BENZENESULFONIC ACID, MONO C-16-24-ALKYL DERIVS., CALCIUM SALTS	GHS07 Wng Skin Sens. 1, H317		0 <= x % < 1
CAS: 121158-58-5 EC: 310-154-3 REACH: 01-2119513207-49 DODECYLPHENOL, MIXED ISOMERS, BRANCHED	GHS07, GHS09, GHS08 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361f Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[2]	0 <= x % < 1

Information on ingredients :

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures**In the event of exposure by inhalation :**

In the event of an allergic reaction, seek medical attention.
Remove the victim to fresh air. If the symptoms persist, call a physician.

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

In the event of an allergic reaction, seek medical attention.
Immediately remove all soiled clothing.
Wash immediately and abundantly with soap and water.

In the event of swallowing :

Seek medical attention, showing the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- foam
- powder
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

Spilled product may make surfaces slippery.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Avoid contact with eyes.

No special precaution apart from the observance of hygiene rules

Fire prevention :

Prevent access by unauthorised personnel.

Take precautionary measures against static discharges by bonding and grounding equipment.

No smoking.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture.
Ensure good ventilation at the workplace

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.
Do not breathe fumes, vapour, spray.

7.2. Conditions for safe storage, including any incompatibilities

Store between 5°C and 40°C in a dry, well ventilated place.
Only use hydrocarbon-resistant containers, joints and pipes.
Keep container tightly closed.
Storage limit : 36 months

Storage

Keep out of reach of children.

Packaging

Always keep in packaging made of an identical material to the original.
Suitable packaging materials :
- Steel
- Stainless steel

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

BENZENESULFONIC ACID, MONO C-16-24-ALKYL DERIVS., CALCIUM SALTS (CAS: 70024-69-0)

Final use:**Workers.**

Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	3.33 mg/kg de poids corporel/jour

Exposure method:	Dermal contact.
Potential health effects:	Long term local effects.
DNEL :	1.03 mg de substance/cm2

Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	11.75 mg de substance/m3

Final use:**Consumers.**

Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	0.8333 mg/kg de poids corporel/jour

Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	1.667 mg/kg de poids corporel/jour

Exposure method:	Dermal contact.
Potential health effects:	Long term local effects.
DNEL :	0.513 mg de substance/cm2

Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	2.9 mg de substance/m3

BENZENE, MONO-C10-13-ALKYL DERIVS., FRACTIONATION BOTTOMS, HEAVY ENDS, SULFONATED, CALCIUM SALTS (CAS: 148520-84-7)

Final use:**Workers.**

Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	3.33 mg/kg de poids corporel/jour

Exposure method: Dermal contact.
Potential health effects: Long term local effects.
DNEL : 1.03 mg de substance/cm2

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 11.75 mg de substance/m3

Final use:**Consumers.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 0.8333 mg/kg de poids corporel/jour

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 1.667 mg/kg de poids corporel/jour

Exposure method: Dermal contact.
Potential health effects: Long term local effects.
DNEL : 0.513 mg de substance/cm2

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 2.9 mg de substance/m3

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS (1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS (CAS: 84605-29-8)

Final use:**Workers.**

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 12.1 mg/kg de poids corporel/jour

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 8.31 mg de substance/m3

Final use:**Consumers.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 0.24 mg/kg de poids corporel/jour

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 6.1 mg/kg de poids corporel/jour

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 2.11 mg de substance/m3

Predicted no effect concentration (PNEC):

BENZENESULFONIC ACID, MONO C-16-24-ALKYL DERIVS., CALCIUM SALTS (CAS: 70024-69-0)

Environmental compartment: Fresh water.
PNEC : 1 mg/l

Environmental compartment: Sea water.
PNEC : 1 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 10 mg/l

Environmental compartment: Waste water treatment plant.
PNEC : 1000 mg/l

Environmental compartment: Salt water predators (oral).

PNEC :	16667 mg/kg
BENZENE, MONO-C10-13-ALKYL DERIVS., FRACTIONATION BOTTOMS, HEAVY ENDS, SULFONATED, CALCIUM SALTS (CAS: 148520-84-7)	
Environmental compartment:	Fresh water.
PNEC :	1 mg/l
Environmental compartment:	Sea water.
PNEC :	1 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	10 mg/l
Environmental compartment:	Waste water treatment plant.
PNEC :	1000 mg/l
Environmental compartment:	Salt water predators (oral).
PNEC :	16667 mg/kg
PHOSPHORODITHIOIC ACID, MIXED O,O-BIS (1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS (CAS: 84605-29-8)	
Environmental compartment:	Soil.
PNEC :	0.0548 mg/kg
Environmental compartment:	Fresh water.
PNEC :	0.004 mg/l
Environmental compartment:	Sea water.
PNEC :	0.0046 mg/l

8.2. Exposure controls

Suitable technical inspections

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.
Personnel shall wear regularly laundered overalls.

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles with protective sides accordance with standard EN166.
In the event of high danger, protect the face with a face shield.
Prescription glasses are not considered as protection.
Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.
Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Type of gloves recommended :
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
Recommended properties :
- Impervious gloves in accordance with standard EN374

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Type of mask with combined filters :

Wear a half mask in accordance with standard EN140.

Wear a mask in accordance with standard EN136.

Breathing apparatus only when aerosol or spray are formed.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information :**

Physical state :	Fluid liquid.
Color:	Amber

Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	201 °C.
Flash Point Interval :	PE > 100°C.
Vapour pressure (50°C) :	Not relevant.
Density :	< 1
Water solubility :	Insoluble.
Self-ignition temperature :	301 °C.

9.2. Other information

VOC (g/l) :	0
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SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- heat
- flames and hot surfaces
- accumulation of electrostatic charges.

10.5. Incompatible materials

Keep away from :

- strong oxidising agents
- nitrates

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

11.1.1. Substances**Acute toxicity :**

BENZENESULFONIC ACID, MONO C-16-24-ALKYL DERIVS., CALCIUM SALTS (CAS: 70024-69-0)

Oral route :

LD50 > 5000 mg/kg

Species : Rat

OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route :

LD50 > 5000 mg/kg

Species : Rabbit
OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

Inhalation route : LC50 > 1.7 mg/l
EPA OPP 81-3 (Toxicité aiguë par inhalation)

BENZENE, MONO-C10-13-ALKYL DERIVS., FRACTIONATION BOTTOMS, HEAVY ENDS, SULFONATED, CALCIUM SALTS (CAS: 148520-84-7)

Oral route : LD50 > 5000 mg/kg
Species : Rat
OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route : LD50 > 5000 mg/kg
Species : Rabbit
OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

Inhalation route : LC50 > 1.7 mg/l
Species : Rat
EPA OPP 81-3 (Toxicité aiguë par inhalation)

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS (1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS (CAS: 84605-29-8)

Oral route : LD50 = 3150 mg/kg
Species : Rat
OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route : 2,000 < LD50 <= 5000 mg/kg
Species : Rabbit

Inhalation route : LC50 > 5 mg/l
Species : Rat

Specific target organ systemic toxicity - repeated exposure :

BENZENESULFONIC ACID, MONO C-16-24-ALKYL DERIVS., CALCIUM SALTS (CAS: 70024-69-0)

Oral route : C > 500 mg/kg poids corporel/jour
Duration of exposure : 28 jours
OCDE Ligne directrice 407 (Toxicité orale à doses répétées - pendant 28 jours sur les rongeurs)

BENZENE, MONO-C10-13-ALKYL DERIVS., FRACTIONATION BOTTOMS, HEAVY ENDS, SULFONATED, CALCIUM SALTS (CAS: 148520-84-7)

Oral route : C > 500 mg/kg poids corporel/jour
Duration of exposure : 28 jours
OCDE Ligne directrice 407 (Toxicité orale à doses répétées - pendant 28 jours sur les rongeurs)

11.1.2. Mixture

Acute toxicity :

Oral route : No observed effect.
Species : Rat
2,000 < LD50 <= 5000 mg/kg

Dermal route : No observed effect.
Species : Rabbit
2,000 < LD50 <= 5000 mg/kg
Species : Rat
LC50 > 5 %@IDC_LA_INHAL_UNITS

Skin corrosion/skin irritation :

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties to the product

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

Specific target organ systemic toxicity - repeated exposure :

Oral route : C > 2000 %@IDC_STOTRE_ORAL_UNITS

Dermal route : C > 2000 %@IDC_STOTRE_DERMAL_UNITS

Inhalation route (Dusts/mist/fumes) : C > 0,25 mg/l/6hrs/day
Duration of exposure : 90 days

Aspiration hazard :

"Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons."
May cause lung damage if swallowed

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

DODECYLPHENOL, MIXED ISOMERS, BRANCHED (CAS: 121158-58-5)

Fish toxicity : LC50 > 0.01 mg/l

BENZENESULFONIC ACID, MONO C-16-24-ALKYL DERIVS., CALCIUM SALTS (CAS: 70024-69-0)

Fish toxicity : LC50 > 1000 mg/l
Species : Pimephales promelas
Duration of exposure : 96 h
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

Crustacean toxicity : EC50 > 1000 mg/l
Duration of exposure : 48 h
EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids)

Algae toxicity : ECr50 > 1000 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h
EPA OTS 797.1050 (Algal Toxicity, Tiers I and II)

BENZENE, MONO-C10-13-ALKYL DERIVS., FRACTIONATION BOTTOMS, HEAVY ENDS, SULFONATED, CALCIUM SALTS (CAS: 148520-84-7)

Fish toxicity : LC50 > 1000 mg/l
Species : Pimephales promelas
Duration of exposure : 96 h
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

Crustacean toxicity : EC50 > 1000 mg/l
Duration of exposure : 48 h
EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids)

Algae toxicity : ECr50 > 1000 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h
EPA OTS 797.1050 (Algal Toxicity, Tiers I and II)

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS (1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS (CAS: 84605-29-8)

Fish toxicity : LC50 = 4.5 mg/l
Species : Oncorhynchus mykiss
Duration of exposure : 96 h
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

Crustacean toxicity : EC50 = 23 mg/l
Duration of exposure : 48 h
OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

NOEC = 0.4 mg/l
Species : Daphnia magna
Duration of exposure : 21 jours

Algae toxicity : ECr50 = 21 mg/l
Species : Desmodesmus subspicatus

Duration of exposure : 72 h
OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance)

REACTION MASS OF ISOMERS OF C7-9 ALKYL 3-(3,5-DI-TRANS-BUTYL-4-HYDROXYPHENYL)PROPIONATE (CAS: 125643-61-0)

Fish toxicity : LC50 > 74 mg/l
Species : Brachydanio rerio
Duration of exposure : 96 h
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

Crustacean toxicity : EC50 >= 100 mg/l Duration
of exposure : 24 h
OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

Algae toxicity : ECr50 > 3 mg/l
Species : Scenedesmus subspicatus
Duration of exposure : 72 h
OCDE Ligne directrice 201 (Algues, Essai d'inhibition de la croissance)

12.1.2. Mixtures

Fish toxicity : No observed effect.
LC50 > 100 mg/l

Crustacean toxicity : No observed effect.
EC50 > 100 mg/l

Algae toxicity : No observed effect.
ECr50 > 100 mg/l

12.2. Persistence and degradability

12.2.1. Substances

DODECYLPHENOL, MIXED ISOMERS, BRANCHED (CAS: 121158-58-5)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

BENZENESULFONIC ACID, MONO C-16-24-ALKYL DERIVS., CALCIUM SALTS (CAS: 70024-69-0)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

BENZENE, MONO-C10-13-ALKYL DERIVS., FRACTIONATION BOTTOMS, HEAVY ENDS, SULFONATED, CALCIUM SALTS (CAS: 148520-84-7)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

PHOSPHORODITHIOIC ACID, MIXED O,O-BIS (1,3-DIMETHYLBUTYL AND ISO-PR) ESTERS, ZINC SALTS (CAS: 84605-29-8)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

REACTION MASS OF ISOMERS OF C7-9 ALKYL 3-(3,5-DI-TRANS-BUTYL-4-HYDROXYPHENYL)PROPIONATE (CAS: 125643-61-0)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.2.2. Mixtures

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Not very mobile in soil.
The product is insoluble in water and will spread on the surface

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Do not dispose of the product in the natural environment, effluents or surface waters.

German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.

- Container information:

No data available.

- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

15.2. Chemical safety assessment

No data available.

15.3 This substance is to be managed using the conditions specified in an applicable Group Standard

HSR002606

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Abbreviations :

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

CMR: Carcinogenic, mutagenic or reprotoxic.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS07 : Exclamation mark