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SAFETY DATA SHEET		Revision Date: 11.09.2015
		Print Date: 03.03.2016
		SDS Number: 000000175423
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Conforms to EU Regulation 1907/2006/EC as amended. - SDSGHS_GB

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

1.1 Product identifier

Trade name : Tectyl® 5506W PE TH PROTECTANT

1.2 Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : Coatings

1.3 Details of the supplier of the safety data sheet Ashland P.O. Box 8619 NL3009 AP, Rotterdam Netherlands EUSMT@ashland.com	1.4 Emergency telephone number 00-800-274-5263-3/001-606-329-5701 , or contact your local emergency telephone number at 112 Product Information +31 10 497 5000 (in the Netherlands), or contact your local CSR contact person
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture


Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2 H315: Causes skin irritation.

Serious eye damage, Category 1 H318: Causes serious eye damage.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms : 

Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.

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P280 Wear eye protection/ face protection.
 P280 Wear protective gloves.
Response:
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous components which must be listed on the label:

2-Dimethylaminoethanol

OLEYL ALCOHOL, ETHOXYLATE, PHOSPHATE

Additional Labelling:

EUH208 Contains 1,2-Benzisothiazol-3(2H)-one, Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. May produce an allergic reaction.

2.3 Other hazards

Additional advice

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Sulfonic acids, petroleum, calcium salts	61789-86-4 263-093-9 01-2119488992-18-xxxx	Skin Sens.1; H317	>= 2,5 - < 5
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	Skin Sens.1; H317	>= 2,5 - < 5
2- Dimethylaminoethanol	108-01-0 203-542-8 01-2119492298-24-xxxx	Flam. Liq.3; H226 Acute Tox.4; H302 Acute Tox.3; H331 Acute Tox.4; H312 Skin Corr.1B; H314 Eye Dam.1; H318 STOT SE3; H335	>= 1 - < 2,5

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OLEYL ALCOHOL, ETHOXYLATE, PHOSPHATE	39464-69-2	Skin Irrit.2; H315 Eye Dam.1; H318	>= 1 - < 2,5
1,2-Benzisothiazol- 3(2H)-one	2634-33-5 220-120-9	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Dam.1; H318 Skin Sens.1; H317 Aquatic Acute1; H400	>= 0 - < 0,05

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If breathed in, move person into fresh air.
If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.
If on skin, rinse well with water.
Wash contaminated clothing before re-use.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
- If swallowed : Obtain medical attention.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
stomach or intestinal upset (nausea, vomiting, diarrhea)
irritation (nose, throat, airways)

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discomfort in the chest
seizures
Convulsions
Difficulty in breathing

Risks : Excessive levels of phosphorus can cause low blood calcium, with tetany and convulsions.
Causes skin irritation.
Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No hazards which require special first aid measures.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : calcium oxide
carbon dioxide and carbon monoxide
sulfur oxides
Nitrogen oxides (NO_x)
Ammonia
Oxides of phosphorus

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

Further information : Fire residues and contaminated fire extinguishing water must

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be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
 Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
 Comply with all applicable federal, state, and local regulations.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
 Prevent further leakage or spillage if safe to do so.
 If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
 Do not smoke.
 Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed.
 Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
 Container hazardous when empty.
 Avoid exposure - obtain special instructions before use.
 Avoid contact with skin and eyes.
 Smoking, eating and drinking should be prohibited in the application area.
 For personal protection see section 8.
 Dispose of rinse water in accordance with local and national regulations.

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Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2-Dimethylaminoethanol	108-01-0	TWA	2 ppm 7,4 mg/m ³	EH40 WEL
		STEL	6 ppm 22 mg/m ³	EH40 WEL

8.2 Exposure controls

Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Eye protection : Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.
Maintain eye wash station in immediate work area.

Hand protection

Remarks : butyl-rubber Nitrile rubber

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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Skin and body protection : Wear as appropriate:
Impervious clothing
Safety shoes
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Discard gloves that show tears, pinholes, or signs of wear.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance : liquid

Colour : amber

Odour : characteristic

Odour Threshold : No data available

pH : ca. 8,8

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : ca. 1,035 g/cm³ (20 °C)

Solubility(ies)

Water solubility : soluble

Solubility in other solvents : No data available

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Partition coefficient: n-
octanol/water : No data available

Thermal decomposition : No data available

Viscosity
Viscosity, dynamic : 2.500 mPa.s (20 °C)

Viscosity, kinematic : No data available

Oxidizing properties : No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Product will not undergo hazardous polymerization.

10.4 Conditions to avoid

Conditions to avoid : Extremes of temperature and direct sunlight.
Exposure to moisture

10.5 Incompatible materials

Materials to avoid : Acids
aluminum
Bromine
Chromic acid
Copper
Copper alloys
galvanized metals
halogenated hydrocarbons
nitrites
Reducing agents
strong bases
Strong oxidizing agents

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Zinc
Peroxides

10.6 Hazardous decomposition products

Hazardous decomposition products : calcium oxide
carbon dioxide and carbon monoxide
Nitrogen oxides (NO_x)
Oxides of phosphorus
Sulphur oxides
Ammonia

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure : Inhalation
Skin contact
Eye Contact
Ingestion

Acute toxicity

Not classified based on available information.

Components:

LUBE OIL ADDITIVE:

Acute oral toxicity : LD₅₀ (Rat): > 16.000 mg/kg

Acute inhalation toxicity : LC₅₀ (Rat): > 1,9 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The component/mixture is classified as acute inhalation toxicity, category 5.

Acute dermal toxicity : LD₅₀ (Rabbit): > 4.000 mg/kg
Assessment: Not classified as acutely toxic by dermal absorption under GHS.

Components:

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Acute oral toxicity : LD₅₀ (Rat): > 16.000 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity : LC₅₀ (Rat): > 1,9 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: Not classified as acutely toxic by inhalation

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under GHS.

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Components:

DIMETHYLETHANOLAMINE:

Acute oral toxicity : LD 50 (Rat): 1.182,7 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC 50 (Rat): 1641 ppm
Exposure time: 4 h
Test atmosphere: vapour
Method: OECD Test Guideline 403

Acute dermal toxicity : LD 50 (Rabbit): 1.370 mg/kg

Components:

1,2-BENZISOTHIAZOL-3(2H)-ONE:

Acute oral toxicity : LD 50 (Rat, male): 670 mg/kg
LD50 (Rat, female): 784 mg/kg

Acute dermal toxicity : LD 50 (Rat): > 5.000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks: May cause skin irritation and/or dermatitis.

Components:

LUBE OIL ADDITIVE:

Species: Rabbit
Result: Slightly irritating to skin

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Species: Rabbit
Result: No skin irritation

DIMETHYLETHANOLAMINE:

Result: Corrosive to skin

OLEYL ALCOHOL, ETHOXYLATE, PHOSPHATE:

Result: Irritating to skin

1,2-BENZISOTHIAZOL-3(2H)-ONE:

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Result: **Irritating to skin**

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: May cause irreversible eye damage.

Components:

LUBE OIL ADDITIVE:

Species: **Rabbit**Result: **Slightly irritating to eyes**Result: **No eye irritation**

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Species: **Rabbit**Result: **Slightly irritating to eyes**

DIMETHYLETHANOLAMINE:

Result: **Corrosive to eyes**

OLEYL ALCOHOL, ETHOXYLATE, PHOSPHATE:

Result: **Corrosive to eyes**

1,2-BENZISOTHIAZOL-3(2H)-ONE:

Result: **Corrosive to eyes**

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Product:

Remarks: May cause allergic skin reaction.

Components:

LUBE OIL ADDITIVE:

Test Type: **Local lymph node assay**Species: **Mouse**Assessment: **May cause sensitization by skin contact.**Method: **OECD Test Guideline 429**

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Assessment: **The product is a skin sensitiser, sub-category 1B.**

DIMETHYLETHANOLAMINE:

Test Type: **Buehler Test**Assessment: **Did not cause sensitisation on laboratory animals.**

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1,2-BENZISOTHIAZOL-3(2H)-ONE:

Assessment: **May cause sensitisation by skin contact.**

Germ cell mutagenicity

Not classified based on available information.

Components:

LUBE OIL ADDITIVE:

Genotoxicity in vitro : Test Type: **Ames test**
 Test species: **Salmonella typhimurium**
 Metabolic activation: **with and without metabolic activation**
 Result: **negative**

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Genotoxicity in vitro : Test Type: **Ames test**
 Test species: **Salmonella typhimurium**
 Metabolic activation: **with and without metabolic activation**
 Result: **negative**

DIMETHYLETHANOLAMINE:

Genotoxicity in vitro : Test Type: **sister chromatid exchange assay**
 Test species: **Chinese hamster ovary cells**
 Metabolic activation: **with and without metabolic activation**
 Method: **OECD Test Guideline 479**
 Result: **negative**

: Test Type: **Ames test**
 Metabolic activation: **with and without metabolic activation**
 Method: **OECD Test Guideline 471**
 Result: **negative**

Genotoxicity in vivo : Test Type: **Micronucleus test**
 Test species: **Mouse (male and female)**
 Application Route: **Intraperitoneal injection**
 Method: **OECD Test Guideline 474**
 Result: **negative**

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

Components:

DIMETHYLETHANOLAMINE:

Assessment: **May cause respiratory irritation.**

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STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

Sulfonic acids, petroleum, calcium salts

Toxicity to fish	: LL50 (Cyprinodon variegatus (sheepshead minnow)): > 10.000 mg/l Exposure time: 96 h Test substance: WAF Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1.000 mg/l Exposure time: 48 h Test Type: static test Test substance: WAF Remarks: Information given is based on data obtained from similar substances.
Toxicity to algae	: NOEC (Pseudokirchneriella subcapitata (green algae)): 1.000 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test Test substance: WAF Remarks: Information given is based on data obtained from similar substances.

2-Dimethylaminoethanol

Toxicity to fish	: LC50 (Leuciscus idus (Golden orfe)): 146,63 mg/l Exposure time: 96 h Test Type: static test Method: DIN 38412
Toxicity to daphnia and other	: EC50 (Water flea (Daphnia magna)): 98,37 mg/l

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aquatic invertebrates Exposure time: 48 h
Test Type: static test

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 66,08 mg/l
End point: Growth inhibition
Exposure time: 72 h
Test Type: static test

1,2-Benzisothiazol-3(2H)-one

Toxicity to fish : LC 50 (Pimephales promelas (fathead minnow)): 3,4 mg/l
Exposure time: 96 h

LC 50 (Oncorhynchus mykiss (rainbow trout)): 1,3 - 1,6 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC 50 (Water flea (Daphnia magna)): 1,5 - 3,3 mg/l
Exposure time: 48 h

Toxicity to algae : EC 50 (Algae, algal mat (Algae)): 0,15 mg/l
Exposure time: 72 h

12.2 Persistence and degradability

Components:

Sulfonic acids, petroleum, calcium salts

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 1,5 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts

Biodegradability : Result: Not readily biodegradable.
Biodegradation: 8 %
Exposure time: 28 d

2-Dimethylaminoethanol

Biodegradability : Result: Readily biodegradable
Biodegradation: 60,5 %
Exposure time: 28 d
Method: OECD Test Guideline 301C

1,2-Benzisothiazol-3(2H)-one

Biodegradability : Result: Readily biodegradable
Biodegradation: ca. 90 %
Exposure time: 28 d
Method: OECD Test Guideline 302B

12.3 Bioaccumulative potential

Product:

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Bioaccumulation : Remarks: The bioaccumulation potential cannot be determined.

Components:

Sulfonic acids, petroleum, calcium salts

Partition coefficient: n-octanol/water : log Pow: > 6,65
Method: OECD Test Guideline 107

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts

Partition coefficient: n-octanol/water : log Pow: > 6,65

1,2-Benzisothiazol-3(2H)-one

Partition coefficient: n-octanol/water : log Pow: 0,4

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

Product:

Additional ecological information : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

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SECTION 14: Transport information

SECTION 14: Transport information

14.1 UN number

ADR: Not dangerous goods**ADNR:** Not dangerous goods**RID:** Not dangerous goods**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

14.2 UN proper shipping name

ADR: Not dangerous goods**ADNR:** Not dangerous goods**RID:** Not dangerous goods**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

14.3 Transport hazard class(es)

ADR: Not dangerous goods**ADNR:** Not dangerous goods**RID:** Not dangerous goods**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

14.4 Packing group

ADR: Not dangerous goods**ADNR:** Not dangerous goods**RID:** Not dangerous goods**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not dangerous goods**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not dangerous goods**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not dangerous goods

14.5 Environmental hazards

ADR: Not applicable**ADNR:** Not applicable**RID:** Not applicable**INTERNATIONAL MARITIME DANGEROUS GOODS:** Not applicable**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:** Not applicable**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:** Not applicable

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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

Ship Type: Not applicable
Hazard code(s): Not applicable
Pollutant Category: Not applicable

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 57) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

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

TSCA : Not On TSCA Inventory

DSL This product contains one or several components that are not on the Canadian DSL and have annual quantity limits.

AICS Not in compliance with the inventory

ENCS Not in compliance with the inventory

KECI Not in compliance with the inventory

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PICCS Not in compliance with the inventory

IECSC Not in compliance with the inventory

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)

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other information

Further information

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Full text of H-Statements

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

Other information : The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (+31 10 497 5000).

Sources of key data used to compile the Safety Data Sheet

Ashland internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

ABM : Water Hazard Class for the Netherlands

ADR : Agreement concerning the International Carriage of Dangerous Goods by Road.

ADNR: Regulation for the Carriage of Dangerous Substances on the Rhine

CLP : Classification, Labelling and Packaging

CSA : Chemical Safety Assessment

CSR : Chemical Safety Report

DNEL : Derived No Effect Level.

EINECS : European Inventory of Existing Commercial Chemical Substances.

ELINCS : European List of Notified Chemical Substances

PEC : Predicted Effect Concentration

PEL : Permissible Exposure Limits

PNEC : Predicted No Effect Concentration

R-phrase : Risk phrase

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulation Concerning the International Transport of Dangerous Goods by Rail

S-phrase: Safety phrase

WGK : German Water Hazard Class



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