

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

### 1.1 Product identifier

Trade name : Sikalastic®-612

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

Product use : Polyurethane coating

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

Company name of supplier : Sika Hellas ABEE  
15 Protomagias Street  
145 68 Kryoneri / Athens  
Telephone : +30 210 81 60 600  
Telefax : +30 210 81 60 606  
E-mail address of person : EHS@gr.sika.com  
responsible for the SDS

### 1.4 Emergency telephone number

Poison Information Center + 30 210 77 93 777

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

|  |  |
|--|--|
| Flammable liquids, Category 3  | H226: Flammable liquid and vapour.   |
| Respiratory sensitisation, Category 1  | H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Skin sensitisation, Category 1   | H317: May cause an allergic skin reaction.                                       |
| Carcinogenicity, Category 2  | H351: Suspected of causing cancer.   |
| Specific target organ toxicity - single exposure, Category 3, Respiratory system | H335: May cause respiratory irritation.  |
| Long-term (chronic) aquatic hazard, Category 3                                   | H412: Harmful to aquatic life with long lasting effects.                         |

### 2.2 Label elements

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

Hazard pictograms : 

Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.



|                          |                    |   |
|--------------------------|--------------------|---|
|                          | H335               | May cause respiratory irritation.   |
|                          | H351               | Suspected of causing cancer.  |
|                          | H412               | Harmful to aquatic life with long lasting effects.  |
| Precautionary statements | : P101             | If medical advice is needed, have product container or label at hand.   |
|                          | P102               | Keep out of reach of children.  |
|                          | <b>Prevention:</b> |   |
|                          | P210               | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                              |
|                          | P261               | Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  |
|                          | P271               | Use only outdoors or in a well-ventilated area.   |
|                          | P280               | Wear protective gloves/ protective clothing/ eye protection/ face protection.   |
|                          | <b>Response:</b>   |   |
|                          | P304 + P340 + P312 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. |
|                          | P308 + P313        | IF exposed or concerned: Get medical advice/ attention.   |
|                          | P370 + P378        | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  |
|                          | <b>Storage:</b>    |   |
|                          | P405               | Store locked up.  |
|                          | <b>Disposal:</b>   |   |
|                          | P501               | Dispose of contents/container in accordance with local regulation.  |

Hazardous components which must be listed on the label:

- Hydrocarbons, C9, aromatics
- bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexane-1,2-diylbiscarbamate
- Diphenylmethanediisocyanate, isomeres and homologues
- 4,4'-methylenediphenyl diisocyanate
- o-(p-isocyanatobenzyl)phenyl isocyanate
- 4-morpholinecarbaldehyde

**Additional Labelling**

EUH204      Contains isocyanates. May produce an allergic reaction.  
Persons already sensitised to diisocyanates may develop allergic reactions when using this product.  
Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.  
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.



### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

| Chemical name  | CAS-No.<br>EC-No.<br>Registration number  | Classification  | Concentration<br>(% w/w) |
|--|---|---|--------------------------|
| Hydrocarbons, C9, aromatics  | Not Assigned<br>918-668-5<br>918-668-5<br>265-199-0<br>01-2119455851-35-XXXX [corresponding group CAS 64742-95-6] | Flam. Liq. 3; H226<br>STOT SE 3; H336<br>STOT SE 3; H335<br>Asp. Tox. 1; H304<br>Aquatic Chronic 2; H411  | >= 10 - < 20             |
| bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexane-1,2-diylbiscarbamate | 59719-67-4<br>261-879-6<br>01-2119983487-19-XXXX  | Eye Irrit. 2; H319<br>Skin Sens. 1B; H317<br>Aquatic Chronic 2; H411  | >= 2,5 - < 5             |
| Diphenylmethanediisocyanate, isomeres and homologues                       | 9016-87-9<br>Not Assigned   | Acute Tox. 4; H332<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>Resp. Sens. 1; H334<br>Skin Sens. 1; H317<br>Carc. 2; H351<br>STOT SE 3; H335<br>STOT RE 2; H373 | >= 1 - < 2,5             |
| 4,4'-methylenediphenyl diisocyanate  | 101-68-8<br>202-966-0<br>01-2119457014-47-XXXX  | Acute Tox. 4; H332<br>Eye Irrit. 2; H319<br>STOT SE 3; H335<br>Skin Irrit. 2; H315<br>Resp. Sens. 1; H334<br>Skin Sens. 1; H317<br>Carc. 2; H351<br>STOT RE 2; H373 | >= 1 - < 2,5             |
| o-(p-isocyanatobenzyl)phenyl isocyanate                                    | 5873-54-1<br>227-534-9<br>01-2119480143-45-XXXX   | Acute Tox. 4; H332<br>Eye Irrit. 2; H319<br>STOT SE 3; H335<br>Skin Irrit. 2; H315<br>Resp. Sens. 1; H334<br>Skin Sens. 1; H317<br>Carc. 2; H351<br>STOT RE 2; H373 | >= 0,1 - < 1             |



|                          |   |                    |     |
|--------------------------|---|--------------------|-----|
| 4-morpholinecarbaldehyde | 4394-85-8<br>224-518-3<br>01-2119987993-12-XXXX | Skin Sens. 1; H317 | < 1 |
|--------------------------|---|--------------------|-----|

## 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.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Do not induce vomiting without medical advice.  
Rinse mouth with water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

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

- Symptoms : Asthmatic appearance  
Cough  
Respiratory disorder  
Allergic reactions  
See Section 11 for more detailed information on health effects and symptoms.
- Risks : irritant effects  
sensitising effects
- May cause an allergic skin reaction.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause respiratory irritation.  
Suspected of causing cancer.

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

- Treatment : Treat symptomatically.



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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : Water  
High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

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

Further information : Use water spray to cool unopened containers.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Remove all sources of ignition.  
Deny access to unprotected persons.

Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
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 : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

For personal protection see section 8.



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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours or spray mist.  
Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of 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.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharge.  
Open drum carefully as content may be under pressure.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).  
Follow standard hygiene measures when handling chemical products
- Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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

- Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Store in accordance with local regulations.
- Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

- Specific use(s) : Consult most current local Product Data Sheet prior to any use.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters * | Basis * |
|------------|---------|-------------------------------|----------------------|---------|
|------------|---------|-------------------------------|----------------------|---------|



|                                     |          |      |                                   |        |
|-------------------------------------|----------|------|-----------------------------------|--------|
| 4,4'-methylenediphenyl diisocyanate | 101-68-8 | TWA  | 0,02 ppm<br>0,2 mg/m <sup>3</sup> | GR OEL |
|                                     |          | STEL | 0,02 ppm<br>0,2 mg/m <sup>3</sup> | GR OEL |

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

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

| Substance name   | End Use   | Exposure routes | Potential health effects   | Value                  |
|--|-----------|-----------------|----------------------------|------------------------|
| bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexane-1,2-diylbiscarbamate | Workers   | Inhalation      | Long-term systemic effects | 29,4 mg/m <sup>3</sup> |
|  | Workers   | Skin contact    | Long-term systemic effects | 16,7 mg/kg             |
|  | Consumers | Inhalation      | Long-term systemic effects | 6,25 mg/m <sup>3</sup> |
|  | Consumers | Skin contact    | Long-term systemic effects | 8,3 mg/kg              |
|  | Consumers | Ingestion       | Long-term systemic effects | 4,2 mg/kg              |

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

| Substance name   | Environmental Compartment | Value        |
|--|---------------------------|--------------|
| bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexane-1,2-diylbiscarbamate | Fresh water               | 0,0186 mg/l  |
|  | Marine water              | 0,00186 mg/l |
|  | Fresh water sediment      | 0,709 mg/kg  |
|  | Marine sediment           | 0,0709 mg/kg |
|  | Soil                      | 1,131 mg/kg  |

**8.2 Exposure controls**

**Personal protective equipment**

- Eye protection : Safety glasses with side-shields conforming to EN166  
Eye wash bottle with pure water
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
- Suitable for short time use or protection against splashes:  
Butyl rubber/nitrile rubber gloves (0,4 mm)  
Contaminated gloves should be removed.  
Suitable for permanent exposure:  
Viton gloves (0.4 mm),  
breakthrough time >30 min.
- Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
- Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
Use a properly fitted NIOSH approved air-purifying or air-fed



respirator complying with an approved standard if a risk assessment indicates this is necessary.  
organic vapor filter (Type A)  
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm  
Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

**Environmental exposure controls**

General advice : Prevent product from entering drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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**SECTION 9: Physical and chemical properties**

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

Appearance : liquid  
Colour : various  
Odour : hydrocarbon-like  
Odour Threshold : No data available  
  
pH : Not applicable  
  
Melting point/range / Freezing point : No data available  
Boiling point/boiling range : > 150 °C  
  
Flash point : 49 °C  
Method: closed cup  
  
Evaporation rate : No data available  
  
Flammability (solid, gas) : No data available  
  
Upper explosion limit / Upper flammability limit : 7 %(V)  
  
Lower explosion limit / Lower flammability limit : 0,8 %(V)  
  
Vapour pressure : 4,9996 hPa  
  
Relative vapour density : No data available  
  
Density : 1,4 g/cm<sup>3</sup> (20 °C)  
  
Solubility(ies)  
Water solubility : insoluble  
Solubility in other solvents : 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                     | : | No data available                 |
| Viscosity, kinematic                   | : | > 20,5 mm <sup>2</sup> /s (40 °C) |
| Explosive properties                   | : | No data available                 |
| Oxidizing properties                   | : | No data available                 |

## 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.

Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
Avoid moisture.

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.



**Components:**

**Hydrocarbons, C9, aromatics:**

- Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg  
Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

**bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexane-1,2-diylbiscarbamate:**

- Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg  
Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg

**Diphenylmethanediisocyanate, isomeres and homologues:**

- Acute oral toxicity : LD50 Oral (Rat): > 10.000 mg/kg  
Acute inhalation toxicity : Acute toxicity estimate: 1,5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Expert judgement  
Assessment: The component/mixture is moderately toxic after short term inhalation.  
Acute dermal toxicity : LD50 Dermal (Rabbit): > 9.400 mg/kg

**4,4'-methylenediphenyl diisocyanate:**

- Acute inhalation toxicity : Acute toxicity estimate: 1,5 mg/l  
Test atmosphere: dust/mist  
Method: Expert judgement

**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Respiratory or skin sensitisation**

**Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Suspected of causing cancer.

**Reproductive toxicity**

Not classified based on available information.



**STOT - single exposure**

May cause respiratory irritation.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Components:**

Hydrocarbons, C9, aromatics:

Toxicity to algae : (Pseudokirchneriella subcapitata (green algae)): 2,6 - 2,9 mg/l  
Exposure time: 72 h

bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl] hexane-1,2-diylbiscarbamate:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 87,1 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (Scenedesmus capricornutum (fresh water algae)): 18,6 mg/l  
Exposure time: 72 h

Diphenylmethanediisocyanate, isomeres and homologues:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 1.000 mg/l  
Exposure time: 96 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 1.640 mg/l  
Exposure time: 72 h

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..



## 12.6 Other adverse effects

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized wherever possible.  
Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.  
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.  
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

European Waste Catalogue : 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

Contaminated packaging : 15 01 10\* packaging containing residues of or contaminated by dangerous substances

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## SECTION 14: Transport information

### 14.1 UN number

ADR : UN 1263  
IMDG : UN 1263  
IATA : UN 1263

### 14.2 UN proper shipping name

ADR : PAINT RELATED MATERIAL  
IMDG : PAINT RELATED MATERIAL  
IATA : Paint related material

### 14.3 Transport hazard class(es)

ADR : 3



**IMDG** : 3

**IATA** : 3

#### 14.4 Packing group

##### ADR

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)  
Remarks : Exempted according to 2.2.3.1.5 (Viscous substance exemption)

##### IMDG

Packing group : III  
Labels : 3  
EmS Code : F-E, S-E

##### IATA (Cargo)

Packing instruction (cargo aircraft) : 366  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

##### IATA (Passenger)

Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

#### 14.5 Environmental hazards

##### ADR

Environmentally hazardous : no

##### IMDG

Marine pollutant : no

##### IATA (Passenger)

Environmentally hazardous : no

##### IATA (Cargo)

Environmentally hazardous : no

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.



## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich (Number on list 52)  
Diphenylmethanediisocyanate, isomers and homologues (Number on list 56)  
4,4'-methylenediphenyl diisocyanate (Number on list 56)  
o-(p-isocyanatobenzyl)phenyl isocyanate (Number on list 56)

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None of the components are listed (=> 0.1 %).

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

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH Information: All substances contained in our Products are  
- registered by our upstream suppliers, and/or  
- registered by us, and/or  
- excluded from the regulation, and/or  
- exempted from the registration.

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

P5c FLAMMABLE LIQUIDS

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 points (a) to (d)

Volatile organic compounds : Law on the incentive tax for volatile organic compounds (VOCV)

Volatile organic compounds (VOC) content: 19,14 %

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)



Volatile organic compounds (VOC) content:  
19,64 %, 274,93 g/l  
VOC content excluding water

### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

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## SECTION 16: Other information

### Full text of H-Statements

|      |   |   |
|------|---|---|
| H226 | : | Flammable liquid and vapour.  |
| H304 | : | May be fatal if swallowed and enters airways.                                 |
| H315 | : | Causes skin irritation.   |
| H317 | : | May cause an allergic skin reaction.  |
| H319 | : | Causes serious eye irritation.  |
| H332 | : | Harmful if inhaled.   |
| H334 | : | May cause allergy or asthma symptoms or breathing difficulties if inhaled.    |
| H335 | : | May cause respiratory irritation.   |
| H336 | : | May cause drowsiness or dizziness.  |
| H351 | : | Suspected of causing cancer.  |
| H373 | : | May cause damage to organs through prolonged or repeated exposure.            |
| H373 | : | May cause damage to organs through prolonged or repeated exposure if inhaled. |
| H411 | : | Toxic to aquatic life with long lasting effects.                              |

### Full text of other abbreviations

|                 |   |   |
|-----------------|---|---|
| Acute Tox.      | : | Acute toxicity  |
| Aquatic Chronic | : | Long-term (chronic) aquatic hazard  |
| Asp. Tox.       | : | Aspiration hazard   |
| Carc.           | : | Carcinogenicity   |
| Eye Irrit.      | : | Eye irritation  |
| Flam. Liq.      | : | Flammable liquids   |
| Resp. Sens.     | : | Respiratory sensitisation   |
| Skin Irrit.     | : | Skin irritation   |
| Skin Sens.      | : | Skin sensitisation  |
| STOT RE         | : | Specific target organ toxicity - repeated exposure  |
| STOT SE         | : | Specific target organ toxicity - single exposure  |
| GR OEL          | : | Greece. Exposure limit values   |
| GR OEL / TWA    | : | Long term exposure limit  |
| GR OEL / STEL   | : | Short term exposure limit   |
| ADR             | : | European Agreement concerning the International Carriage of Dangerous Goods by Road                                     |
| CAS             | : | Chemical Abstracts Service  |
| DNEL            | : | Derived no-effect level   |
| EC50            | : | Half maximal effective concentration  |
| GHS             | : | Globally Harmonized System  |
| IATA            | : | International Air Transport Association   |
| IMDG            | : | International Maritime Code for Dangerous Goods   |
| LD50            | : | Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of |



|        |   |  |
|--------|---|--|
| LC50   | : | test animals)<br>Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)  |
| MARPOL | : | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978  |
| OEL    | : | Occupational Exposure Limit  |
| PBT    | : | Persistent, bioaccumulative and toxic  |
| PNEC   | : | Predicted no effect concentration  |
| REACH  | : | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency |
| SVHC   | : | Substances of Very High Concern  |
| vPvB   | : | Very persistent and very bioaccumulative   |

**Further information**

**Classification of the mixture:**

|                   |      |
|-------------------|------|
| Flam. Liq. 3      | H226 |
| Resp. Sens. 1     | H334 |
| Skin Sens. 1      | H317 |
| Carc. 2           | H351 |
| STOT SE 3         | H335 |
| Aquatic Chronic 3 | H412 |

**Classification procedure:**

|                                     |
|-------------------------------------|
| Based on product data or assessment |
| Calculation method                  |

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

||| Changes as compared to previous version !

GR / EN