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

1.1 Product identifier

Trade name

: Sika[®] Primer-209 N

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

Product use : Pretreatment agent, Product is not intended for consumer use

1.3 Details of the supplier of the safety data sheet

| Company name of supplier | : | Sika Limited |
|---|---|------------------------------|
| | | Watchmead Welwyn Garden City |
| | | Hertfordshire. AL7 1BQ |
| Telephone | : | +44 (0)1707 394444 |
| Telefax | : | +44 (0)1707 329129 |
| E-mail address of person responsible for the SDS | : | EHS@uk.sika.com |

1.4 Emergency telephone number

+44 (0)1707 363899 (available during office hours).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

| Flammable liquids, Category 2 Eye irritation, Category 2 Skin sensitisation, Category 1 Specific target organ toxicity - single ex- posure, Category 3, Central nervous system | H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H317: May cause an allergic skin reaction. H336: May cause drowsiness or dizziness. |
|---|---|
| 1 | |

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) Hazard pictograms Signal word Danger • Hazard statements H225 Highly flammable liquid and vapour. May cause an allergic skin reaction. H317 H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. Supplemental Hazard EUH066 Repeated exposure may cause skin dryness : Statements or cracking.

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Precautionary statements **Prevention:** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wear protective gloves/ protective clothing/ P280 eye protection/ face protection. **Response:** P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

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Hazardous components which must be listed on the label:

- ethyl acetate
- Aliphatic polyisocyanate
- Isophorondiisocyanate homopolymer

Additional Labelling

EUH204Contains isocyanates. May produce an allergic reaction.EUH205Contains epoxy constituents. May produce an allergic reaction.

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. EC-No. Registration number | Classification | Concentration (% w/w) |
|---------------|--|---|--------------------------|
| ethyl acetate | 141-78-6 205-500-4 01-2119475103-46- XXXX | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 | >= 25 - < 40 |
| butanone | 78-93-3 201-159-0 01-2119457290-43- XXXX | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 | >= 20 - < 25 |



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|---|---|--|------------------|
| n-butyl acetate | 123-86-4 204-658-1 01-2119485493-29- XXXX | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 5 - < 10 |
| Aliphatic polyisocyanate | 28182-81-2 Not Assigned 01-2119485796-17- 0002 | Skin Sens. 1; H317 | >= 5 - < 10 |
| Isophorondiisocyanate homopol- ymer Contains: 3-isocyanatomethyl-3,5,5- trimethylcyclohexyl isocyanate <= 0,49 % | 53880-05-0 933-047-9 500-125-5 01-2119488734-24- XXXX | Skin Sens. 1B; H317 STOT SE 3; H335 | >= 2,5 - < 5 |
| hexyl acetate | 142-92-7 205-572-7 | Flam. Liq. 3; H226 Aquatic Chronic 2; H411 | >= 1 - < 2,5 |
| diethyl malonate | 105-53-3 203-305-9 01-2119886972-18- XXXX | Eye Irrit. 2; H319 | >= 1 - < 2,5 |

SECTION 4: First aid measures

| 4.1 Description of first aid measure | S |
|--------------------------------------|---|
| 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 : | Immediately flush eye(s) with plenty of water. 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 : | Allergic reactions Excessive lachrymation Erythema Loss of balance |



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|--------------------------|--|------------------------------|
| | Vertigo See Section 11 for more detailed in and symptoms. | nformation on health effects |
| Risks | : irritant effects sensitising effects | |
| | May cause an allergic skin reactior Causes serious eye irritation. May cause drowsiness or dizzines Repeated exposure may cause ski | S. |
| | | |

4.3 Indication of any immediate medical attention and special treatment needed

| Treatment | : | Treat symptomatically. |
|-----------|---|------------------------|
|-----------|---|------------------------|

SECTION 5: Firefighting measures

| | t inguishing media uitable extinguishing media | : | Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical |
|----------|--|-----|--|
| | nsuitable extinguishing edia | : | Water High volume water jet |
| 5.2 Spe | ecial hazards arising from | the | e substance or mixture |
| • | becific hazards during fire- hting | : | Do not use a solid water stream as it may scatter and spread fire. |
| Ha uc | • | : | No hazardous combustion products are known |
| 5.3 Adv | vice for firefighters | | |
| | pecial protective equipment r firefighters | : | In the event of fire, wear self-contained breathing apparatus. |
| Fu | urther information | : | Use water spray to cool unopened containers. |

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

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| Environmental precautions | • |
|---------------------------|---|
| Linionmental precautions | • |

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

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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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

| Advice on safe handling : | 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, in | cluding any incompatibilities |
| Requirements for storage areas and containers | Store in cool place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations. |
| Further information on stor- : age stability | No decomposition if stored and applied as directed. |



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7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parame- ters * | Basis * | | |
|--------------------------|---|---|---|--|--|--|
| ethyl acetate | 141-78-6 | STEL | 400 ppm 1.468 mg/m3 | 2017/164/EU | | |
| | Eurther infor | mation: Indicative | 1.400 mg/m3 | | | |
| | | TWA | 200 ppm 734 mg/m3 | 2017/164/EU | | |
| | | TWA | 200 ppm 734 mg/m3 | GB EH40 | | |
| | | STEL | 400 ppm 1.468 mg/m3 | GB EH40 | | |
| butanone | 78-93-3 | TWA | 200 ppm 600 mg/m3 | 2000/39/EC | | |
| | Further infor | mation: Indicative | | | | |
| | | STEL | 300 ppm 900 mg/m3 | 2000/39/EC | | |
| | | TWA | 200 ppm 600 mg/m3 | GB EH40 | | |
| | signed subs | Further information: Can be absorbed through the skin. The as- signed substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | | |
| | | STEL | 300 ppm 899 mg/m3 | GB EH40 | | |
| n-butyl acetate | 123-86-4 | TWA | 150 ppm 724 mg/m3 | GB EH40 | | |
| | | STEL | 200 ppm 966 mg/m3 | GB EH40 | | |
| | | STEL | 150 ppm 723 mg/m3 | 2019/1831/EU | | |
| | Further infor | mation: Indicative | | | | |
| | | TWA | 50 ppm 241 mg/m3 | 2019/1831/EU | | |
| Aliphatic polyisocyanate | 28182-81-2 | TWA | 0,02 mg/m3 (NCO) | GB EH40 | | |
| | asthma (also can induce a immunologic become hyp sometimes e toms. These asthma. Not come hyper- those who a that can cau substances with pre-exis | mation: Substances to be known as asthmage a state of specific airwe cal irritant or other me er-responsive, further even in tiny quantities a symptoms can range all workers who are of responsive and it is in re likely to become hy se occupational asthing which may trigger the sting airway hyper-responsives. | ens and respiratory vay hyper-responsi- chanism. Once the r exposure to the s , may cause respi- e in severity from a exposed to a sensi- mpossible to ident yper-responsive. ma should be disti- e symptoms of astl sponsiveness, but | y sensitisers) iveness via an e airways have substance, ratory symp- a runny nose to itiser will be- tify in advance Substances inguished from hma in people which do not | | |



Version 4.0 Revision Date 06.10.2020 classified as asthmagens or respiratory sensitisers. Further information can be found in the HSE publication Asthmagen? Critical assessments of the evidence for agents implicated in occupational asthma., Wherever it is reasonably practicable, exposure to substances that can cause occupational asthma should be prevented. Where this is not possible, the primary aim is to apply adequate standards of control to prevent workers from becoming hyperresponsive. For substances that can cause occupational asthma, COSHH requires that exposure be reduced to as low as is reasonably practicable. Activities giving rise to short-term peak concentrations should receive particular attention when risk management is being considered. Health surveillance is appropriate for all employees exposed or liable to be exposed to a substance which may cause occupational asthma and there should be appropriate consultation with an occupational health professional over the degree of risk and level of surveillance., Capable of causing occupational asthma., The 'Sen' notation in the list of WELs has been assigned only to those substances which may cause occupational asthma in the categories shown in Table 1. It should be remembered that other substances not in these tables may cause occupational asthma. HSE's asthma web pages (www.hse.gov.uk/asthma) provide further information. 0,07 mg/m3 GB EH40 STEL (NCO)

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

Biological occupational exposure limits

| Substance name | CAS-No. | Control parame- ters | Sampling time | Basis |
|----------------|---------|--|---------------|-------------|
| butanone | 78-93-3 | butan-2-one: 70 micromol per litre (Urine) | After shift | GB EH40 BAT |

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 (> 0,1 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 additionaly recommended for mixing and stirring work. |
| | | 7 / |



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|---------------------------------|--|--|
| Respiratory protection | In case of inadequate ventilation wear in Respirator selection must be based on l exposure levels, the hazards of the pro- ing limits of the selected respirator. organic vapor filter (Type A) A1: < 1000 ppm; A2: < 5000 ppm; A3: < Ensure adequate ventilation. This can b exhaust extraction or by general ventilar ods for determining inhalation exposure ticular to the mixing / stirring area. In ca to keep the concentrations under the oc limits then respiration protection measure | known or anticipated duct and the safe work- > 10000 ppm be achieved by local tion. (EN 689 - Meth-). This applies in par- se this is not sufficent coupational exposure |
| Environmental exposure controls | | |
| General advice | Prevent product from entering drains. If the product contaminates rivers and la respective authorities. | akes or drains inform |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| information on basic physical and chemical properties | | | | | | |
|---|-------------|--|--|--|--|--|
| Appearance Colour Odour Odour Threshold | : : : | liquid black hydrocarbon-like No data available | | | | |
| - | • | | | | | |
| рН | : | Not applicable | | | | |
| Melting point/range / Freezing point | : | No data available | | | | |
| Boiling point/boiling range | : | > 70 °C | | | | |
| Flash point | : | -4 °C Method: closed cup | | | | |
| Evaporation rate | : | No data available | | | | |
| Flammability (solid, gas) | : | No data available | | | | |
| Upper explosion limit / Upper flammability limit | : | 7,5 %(V) | | | | |
| Lower explosion limit / Lower flammability limit | : | 1,2 %(V) | | | | |
| Vapour pressure | : | 99,9915 hPa | | | | |
| Relative vapour density | : | No data available | | | | |
| Density | : | ca. 1,0 g/cm3 (20 °C) | | | | |
| Solubility(ies) Water solubility | : | insoluble | | | | |
| untry CD 00000010261 | | | | | | |

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| Solubility in other solvents | : | No data available | |
| Partition coefficient: n- octanol/water | : | No data available | |
| Auto-ignition temperature | : | 415 °C | |
| Decomposition temperature | : | No data available | |
| Viscosity Viscosity, dynamic | : | No data available | |
| Viscosity, kinematic | : | No data available | |
| Explosive properties | : | No data available | |
| Oxidizing properties | : | No data available | |
| 9.2 Other information | | | |

No data available

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 : | Strong acids and strong bases Oxidizing agents Peroxides | | | | | |

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: | | |
|---------------------------|---|---|
| ethyl acetate: | | |
| Acute oral toxicity | : | LD50 Oral (Rat): > 5.000 mg/kg |
| Acute inhalation toxicity | : | LC50 (Rat): ca. 1.600 mg/l Exposure time: 4 h Test atmosphere: vapour |
| Acute dermal toxicity | : | LD50 Dermal (Rabbit): > 5.000 mg/kg |
| butanone: | | |
| Acute oral toxicity | : | LD50 Oral (Rat): 3.300 mg/kg |
| Acute inhalation toxicity | : | LC50 (Rat): 36 mg/l Exposure time: 4 h Test atmosphere: vapour |
| Acute dermal toxicity | : | LD50 Dermal (Rabbit): > 5.000 mg/kg |
| n-butyl acetate: | | |
| Acute oral toxicity | : | LD50 Oral (Rat): > 5.000 mg/kg |
| Acute inhalation toxicity | : | LC50 (Rat): 23,4 mg/l Exposure time: 4 h Test atmosphere: vapour |
| Acute dermal toxicity | : | LD50 Dermal (Rabbit): > 5.000 mg/kg |
| Skin corrosion/irritation | | |

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

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Carcinogenicity Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12: Ecological information

12.1 Toxicity

Components:

n-butyl acetate: Toxicity to algae

: EC50 (Desmodesmus subspicatus (green algae)): 647,7 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 infor- | : | There is no data available for this product. |
|------------------------------|---|--|
| mation | | |

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

: The generation of waste should be avoided or minimized



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|--------------------------|---|--|--|
| | | wherever possible. Empty containers or liners may retain some This material and its container must be dis way. Dispose of surplus and non-recyclable prod waste disposal contractor. Disposal of this product, solutions and any at all times comply with the requirements of protection and waste disposal legislation and local authority requirements. Avoid dispersal of spilled material and runce soil, waterways, drains and sewers. | posed of in a safe ducts via a licensed by-products should f environmental nd any regional |
| European Waste Catalogue | : | 08 01 11* waste paint and varnish contain vents or other dangerous substances | ing organic sol- |
| Contaminated packaging | : | 15 01 10* packaging containing residues o by dangerous substances | f or contaminated |
| | | | |

SECTION 14: Transport information

14.1 UN number

| ADR | : | UN 1866 |
|---|---|-----------------------|
| IMDG | : | UN 1866 |
| ΙΑΤΑ | : | UN 1866 |
| 14.2 UN proper shipping name | | |
| ADR | : | RESIN SOLUTION |
| IMDG | : | RESIN SOLUTION |
| ΙΑΤΑ | : | Resin solution |
| 14.3 Transport hazard class(es) | | |
| ADR | : | 3 |
| IMDG | : | 3 |
| ΙΑΤΑ | : | 3 |
| 14.4 Packing group | | |
| ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code IMDG Packing group Labels | | 3 |
| | | |



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|---|---------------------------------------|-----------------------|
| EmS Code | : F-E, S-E | |
| IATA (Cargo) Packing instruction (cargo aircraft) | : 364 | |
| Packing instruction (LQ) Packing group Labels | : Y341 : II : Flammable Liquids | |
| IATA (Passenger) Packing instruction (passen- ger aircraft) | : 353 | |
| Packing instruction (LQ) Packing group Labels | : Y341 : II : Flammable Liquids | |
| 14.5 Environmental hazards | | |
| ADR Environmentally hazardous | : no | |
| IMDG Marine pollutant | : no | |
| IATA (Passenger) | | |

Environmentally hazardous 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

: no

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 fol- lowing entries should be considered: Number on list 3 |
|--|---|--|
| 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 (EU) 2019/1021 on persistent organic pollu- tants (recast) | : | Not applicable |
| | | |



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|---|---|-----------------------|
| Regulation (EC) No 649/2012 of t ment and the Council concerning of dangerous chemicals | | |
| 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 jor-accident hazards involving dat P5c | of the European Parliament and of the Council ngerous substances. FLAMMABLE LIQUIDS | on the control of ma- |
| Volatile organic compounds : | Law on the incentive tax for volatile organic co (VOCV) Volatile organic compounds (VOC) content: 58 | |
| | Directive 2010/75/EU of 24 November 2010 o emissions (integrated pollution prevention and Volatile organic compounds (VOC) content: 6 | l control) |

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

| Health, safety and environ- mental regulation/legislation specific for the substance or mixture: | : | Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 & Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments. |
|---|---|--|
| | | |

15.2 Chemical safety assessment

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

SECTION 16: Other information

Full text of H-Statements

| H225 | : | Highly flammable liquid and vapour. | | | | | |
|----------------------------------|---|--|--|--|--|--|--|
| H226 | : | Flammable liquid and vapour. | | | | | |
| H317 | : | May cause an allergic skin reaction. | | | | | |
| H319 | : | Causes serious eye irritation. | | | | | |
| H335 | : | May cause respiratory irritation. | | | | | |
| H336 | : | May cause drowsiness or dizziness. | | | | | |
| H411 | : | Toxic to aquatic life with long lasting effects. | | | | | |
| Full text of other abbreviations | | | | | | | |
| | | | | | | | |
| Aquatic Chronic | : | Long-term (chronic) aquatic hazard | | | | | |
| Aquatic Chronic Eye Irrit. | : | Long-term (chronic) aquatic hazard Eye irritation | | | | | |
| • | : | | | | | | |
| Eye Irrit. | : | Eye irritation | | | | | |



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|---------------------------|-----------------|--|-------------------------|--|--|--|
| STOT SE | · Specific torg | et organ toxicity - single ex | | | | |
| | | | | | | |
| 2000/39/EC | | mission Directive 2000/39 | | | | |
| | | ive occupational exposure | | | | |
| 2017/164/EU | | mission Directive 2017/16 | | | | |
| | | ndicative occupational exp | | | | |
| 2019/1831/EU | | nmission Directive 2019/18 licative occupational expos | | | | |
| GB EH40 | | EL - Workplace Exposure | | | | |
| GB EH40 BAT | | | | | | |
| | | UK. Biological monitoring guidance values | | | | |
| 2000/39/EC / TWA | | Limit Value - eight hours | | | | |
| 2000/39/EC / STEL | | Short term exposure limit | | | | |
| 2017/164/EU / STEL | | Short term exposure limit | | | | |
| 2017/164/EU / TWA | | Limit Value - eight hours | | | | |
| 2019/1831/EU / TWA | : Limit Value - | Limit Value - eight hours | | | | |
| 2019/1831/EU / STEL | | Short term exposure limit | | | | |
| GB EH40 / TWA | | kposure limit (8-hour TWA | reference period) | | | |
| GB EH40 / STEL | | xposure limit (15-minute re | | | | |
| ADR | | reement concerning the Ir | | | | |
| | | Goods by Road | itemational Gamage of | | | |
| CA C | | | | | | |
| CAS | | stracts Service | | | | |
| DNEL | | Derived no-effect level | | | | |
| EC50 | | l effective concentration | | | | |
| GHS | | monized System | | | | |
| ΙΑΤΑ | | Air Transport Association | | | | |
| IMDG | | International Maritime Code for Dangerous Goods | | | | |
| LD50 | : Median letha | I dosis (the amount of a m | aterial, given all at | | | |
| | once, which | causes the death of 50% (| one half) of a group of | | | |
| | test animals) | | , | | | |
| LC50 | | : Median lethal concentration (concentrations of the chemical in | | | | |
| | | 50% of the test animals dur | | | | |
| | period) | | | | | |
| MARPOL | | Convention for the Preven | tion of Pollution from | | | |
| | | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978 | | | | |
| OEL | | | 101 1970 | | | |
| | | I Exposure Limit | | | | |
| PBT | | ioaccumulative and toxic | | | | |
| PNEC | | effect concentration | | | | |
| REACH | | EC) No 1907/2006 of the E | | | | |
| | | ouncil of 18 December 200 | | | | |
| | | luation, Authorisation and | | | | |
| | cals (REACH | establishing a Europear | n Chemicals Agency | | | |
| SVHC | | of Very High Concern | - | | | |
| vPvB | : Very persiste | ent and very bioaccumulati | ve | | | |
| Further information | | | | | | |
| Classification of the mix | ture: | Classification | procedure: | | | |
| Flam. Liq. 2 | H225 | | luct data or assessment | | | |
| Eye Irrit. 2 | H319 | Calculation me | | | | |
| • | | | | | | |
| Skin Sens. 1 | H317 | Calculation me | | | | |
| STOT SE 3 | H336 | Calculation me | ethod | | | |
| | | | | | | |



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Version 4.0

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 !

GB / EN