

Exchange

A-A-42 0,5L 0,5L Steel drums

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

| 1.1 Product identifier Trade name | : A-A-42 0,5L 0,5L Steel drums |
|---|--|
| Product code | : 0000000050675583 |
| 1.2 Relevant identified uses of th Use of the Substance/Mixture | e substance or mixture and uses advised against : Spraying Thinner |
| 1.3 Details of the supplier of the <u>Company:</u> BASF Coatings GmbH Postfach 6123 48136 Münster Deutschland | Contact address: BASF plc 4th and 5th Floors, 2 Stockport Excha Railway Road, Stockport, SK1 3GG United Kingdom |

Telephone: +44 161 475 3000 E-mail address: product-safety-uk-and-ireland@basf.com



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1.4 Emergency telephone

International emergency number: Telephone: +49 180 2273-112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

| Flammable liquids, Category 3 | H226: Flammable liquid and vapor. |
|--|--|
| Skin irritation, Category 2 | H315: Causes skin irritation. |
| Eye irritation, Category 2 | H319: Causes serious eye irritation. |
| Specific target organ toxicity - single exposure, Category 3, Central nervous system | H336: May cause drowsiness or dizziness. |
| Specific target organ toxicity - repeated exposure, Category 2 | H373: May cause damage to organs through prolonged or repeated exposure. |



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Aspiration hazard, Category 1

H304: May be fatal if swallowed and enters airways.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

| Hazard pictograms | : | | |
|-------------------|---|--------------|--|
| Signal Word | : | Danger | |
| Hazard Statements | : | H226 H304 | Flammable liquid and vapor. May be fatal if swallowed and enters airways. |
| | | H315 | Causes skin irritation. |
| | | H319 | Causes serious eye irritation. |
| | | H336 | May cause drowsiness or dizziness. |
| | | H373 | May cause damage to organs through |



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prolonged or repeated exposure.

| Precautionary Statements | Prevention: P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
|-----------------------------|--------------------------------|--|
| | P260 | Do not breathe mist or vapors. |
| | P264 | Wash skin thoroughly after handling. |
| | Response: P301 + P31 | .0 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. |
| | P331 | Do NOT induce vomiting. |
| | P370 + P37 | '8 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. |

Hazardous ingredients which must be listed on the label: n-Butyl acetate



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1-methoxy-2-propylacetate

xylene

ethylbenzene

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.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : acrylic resin

organic solvent

Components

| Chemical name | CAS-No. | Classification | Concentratio |
|---------------|-----------|----------------|--------------|
| | EC-No. | | n (% w/w) |
| | Index-No. | | |



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| | Registration number | | |
|---------------------------|------------------------|--------------------|--------------|
| n-Butyl acetate | 123-86-4 | Flam. Liq. 3; H226 | >= 25 - < 50 |
| | 204-658-1 | STOT SE 3; H336 | |
| | 607-025-00-1 | (Central nervous | |
| | UK-20- | system) | |
| | 9702550300-0- | | |
| | 0000 | | |
| | UK-20- | | |
| | 0537843089-5- | | |
| | 0000 | | |
| | UK-20- | | |
| | 9642318150-0- | | |
| | 0000 | | |
| 1-methoxy-2-propylacetate | 108-65-6 | Flam. Liq. 3; H226 | >= 25 - < 50 |
| | 203-603-9 | STOT SE 3; H336 | |
| | 607-195-00-7 | (Central nervous | |



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| | UK-20- 9702550300-0- 0000 | system) | |
|--------|---------------------------------|-----------------------|--------------|
| | UK-20- 0537843089-5- 0000 | | |
| | UK-20- 9642318150-0- 0000 | | |
| xylene | 1330-20-7 | Flam. Liq. 3; H226 | >= 15 - < 20 |
| | 215-535-7 601-022-00-9 | Acute Tox. 4; H332 | |
| | UK-20- 2749242067-7- | Acute Tox. 4; H312 | |
| | 0000 | Skin Irrit. 2; H315 | |
| | UK-20- | Eye Irrit. 2; H319 | |
| | 9702550300-0- 0000 | STOT SE 3; H335 | |
| | UK-20- | (Respiratory | |



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| | 0537843089-5- 0000 UK-20- 9642318150-0- 0000 | system) STOT RE 2; H373 (Kidney, Liver, Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 3; H412 | |
|--------------|--|--|------------|
| ethylbenzene | 100-41-4 | Flam. Liq. 2; H225 | >= 3 - < 5 |
| | 202-849-4 | Acute Tox. 4; | |
| | 601-023-00-4 | H332 | |
| | UK-20- | STOT RE 2; H373 | |
| | 9702550300-0- | (Auditory system) | |
| | 0000 | Asp. Tox. 1; H304 | |
| | UK-20- 0537843089-5- 0000 | Aquatic Chronic 3; H412 | |



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| 4-methylpentan-2-one | 108-10-1 | Flam. Liq. 2; H225 | >= 0.2 - < 0.3 |
|----------------------|---|---|----------------|
| 4-metnyipentan-2-one | 108-10-1 203-550-1 606-004-00-4 UK-20- 0537843089-5- 0000 UK-20- 9642318150-0- 0000 | Acute Tox. 4; H332 Eye Irrit. 2; H319 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT SE 3; H336 (Central nervous | >= 0.2 - < 0.3 |
| | | system) | |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

| General advice | : | First aid personnel should pay attention to their own |
|----------------|---|---|
| | | safety. |
| | | Immediately remove contaminated clothing. |



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| | | In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident. Never give anything by mouth to an unconscious person. Keep patient warm and at rest. |
|-------------------------|---|--|
| If inhaled | : | If breathed in, move person into fresh air. |
| | | Call a physician or poison control center immediately. |
| | | If breathing is irregular or stopped, administer artificial respiration. |
| In case of skin contact | : | If symptoms persist, call a physician. |
| | | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| | | Do NOT use solvents or thinners. |



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| In case of eye contact : | Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. |
|--------------------------|---|
| | Call a physician immediately. |
| | If easy to do, remove contact lens, if worn. |
| | |
| If swallowed : | Do not induce vomiting due to aspiration hazard. |
| | Keep at rest. |
| | If symptoms persist, call a physician or Poison Control Center immediately. |
| | Rinse mouth with water. |
| | |

4.2 Most important symptoms and effects, both acute and delayed

| Symptoms | : | Information, i.e. additional information on symptoms |
|----------|---|---|
| | | and effects may be included in the GHS labeling phrases |
| | | available in Section 2 and in the Toxicological |



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assessments available in Section 11.

| Risks | : | May be fatal if swallowed and enters airways. |
|-------|---|--|
| | | Causes skin irritation. |
| | | Causes serious eye irritation. |
| | | May cause drowsiness or dizziness. |
| | | May cause damage to organs through prolonged or repeated exposure. |
| | | When inhaled (e.g. during vomiting) risk of pulmonary oedema and/or pneumonia. |
| | | Risk of product entering the lungs on vomiting after ingestion. |
| | | |

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No known specific antidote.



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Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

| Suitable extinguishing | : Water spray jet |
|------------------------|------------------------|
| media | Dry powder |
| | Alcohol-resistant foam |
| | Carbon dioxide (CO2) |

Unsuitable extinguishing : High volume water jet media

5.2 Special hazards arising from the substance or mixture

| Specific hazards during fire : | Fire will produce dense black smoke containing |
|--------------------------------|---|
| fighting | hazardous combustion products (see section 10). |



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| 5.3 | Advice | for | firefiahters |
|-----|--------|-----|--------------|

| Special protective equipment for fire-fighters | : | Appropriate breathing apparatus may be required. |
|--|---|---|
| Further information | : | In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| | | Collect contaminated fire extinguishing water separately. This must not be discharged into drains. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

| Personal precautions | : | Avoid breathing vapours. |
|----------------------|---|---|
| | | Keep away from sources of ignition. |
| | | Advice on product handling can be found in sections 7 |
| | | and 8 of this safety data sheet. |



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For non-emergency personnel: For emergency responders: Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.

Avoid subsoil penetration.

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 | : | Ensure adequate ventilation. | |
|-------------------------|---|------------------------------|--|
|-------------------------|---|------------------------------|--|

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous



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earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For disposal considerations see section 13.

SECTION 7: Handling and storage

| 7.1 Precautions for safe handling Advice on safe handling : | Provide good ventilation of working area (local exhaust ventilation if necessary). |
|---|--|
| | Do not return residues to the storage containers. |
| | Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. |
| | When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying |



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| | | process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. |
|--|---|---|
| | | The workplace should be equipped with an emergency shower and eye-rinsing facility. |
| | | Avoid contact with the skin, eyes and clothing. |
| | | Handle in accordance with good industrial hygiene and safety practice. |
| | | Do not breathe vapors or spray mist. |
| Advice on protection against fire and explosion | : | Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. The relevant fire protection measures should be noted. Use explosion-proof equipment. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. |



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| Hygiene measures | : | Remove contaminated clothing immediately and dispose |
|------------------|---|---|
| | | of safely. Wash hands before breaks and at the end of |
| | | workday. Keep away from food, drink and animal |
| | | feedingstuffs. |

7.2 Conditions for safe storage, including any incompatibilities

| Further information on | : | Avoid direct sunlight. Close containers carefully once |
|------------------------|---|---|
| storage conditions | | opened and store them upright in order to prevent any |
| | | leakage. No smoking. No admission for unauthorised |
| | | personnel. Always keep in containers of same material |
| | | as the original one. Observe label precautions. Keep in a |
| | | dry, cool and well-ventilated place. |
| | | |

Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

7.3 Specific end use(s)

Specific use(s)

: Please refer to the technical leaflet for further information.



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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 | |
|-----------------|---------------------------------|-------------------------------------|----------------------|------------------|--|
| 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 information: Indicative | | | | |
| | | TWA | 50 ppm 241 mg/m3 | 2019/1831/ EU | |



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| | Further information: Indicative | | | | |
|---------------|---|------------------------------|----------------------------|-------------|--|
| 1-methoxy-2- | 108-65-6 | TWA | 50 ppm | GB EH40 | |
| propylacetate | | | 274 mg/m3 | | |
| | Further infor | mation: Can be ab | sorbed through the skin. T | he assigned | |
| | substances a | ire those for which | there are concerns that d | ermal | |
| | absorption v | vill lead to systemic | c toxicity. | | |
| | STEL 100 ppm GB EH40 | | | | |
| | | | 548 mg/m3 | | |
| | Further information: Can be absorbed through the skin. The assigned | | | | |
| | substances are those for which there are concerns that dermal | | | | |
| | absorption will lead to systemic toxicity. | | | | |
| | | STEL | 100 ppm | 2000/39/EC | |
| | | | 550 mg/m3 | | |
| | Further information: Identifies the possibility of significant uptake | | | | |
| | through the | through the skin, Indicative | | | |
| | | TWA | 50 ppm | 2000/39/EC | |



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| | | | 275 mg/m3 | | | |
|--------|--------------|--|----------------------|------------|--|--|
| | | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | | |
| xylene | 1330-20-7 | TWA | 50 ppm 220 mg/m3 | GB EH40 | | |
| | substances a | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | | |
| | | STEL | 100 ppm 441 mg/m3 | GB EH40 | | |
| | substances a | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | | |
| | | TWA | 50 ppm 221 mg/m3 | 2000/39/EC | | |
| | | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | | |



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| | | STEL | 100 ppm | 2000/39/EC |
|--------------|---|---------------------|-------------------------------|-------------|
| | | | 442 mg/m3 | |
| | Further info | mation: Identifies | the possibility of significar | nt uptake |
| | through the | skin, Indicative | | |
| ethylbenzene | 100-41-4 | TWA | 100 ppm | GB EH40 |
| | | | 441 mg/m3 | |
| | Further info | mation: Can be ab | sorbed through the skin. T | he assigned |
| | substances a | ire those for which | there are concerns that d | ermal |
| | absorption will lead to systemic toxicity. | | | |
| | STEL 125 ppm GB EH4 | | GB EH40 | |
| | | | 552 mg/m3 | |
| | Further info | mation: Can be ab | sorbed through the skin. 1 | he assigned |
| | substances are those for which there are concerns that dermal | | | |
| | absorption will lead to systemic toxicity. | | | |
| | | TWA | 100 ppm | 2000/39/EC |
| | | | 442 mg/m3 | |
| | Further information: Identifies the possibility of significant uptake | | | |



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| | through the skin, Indicative | | | |
|-----------------|---|-----------------------|-------------------------------|------------|
| | | STEL | 200 ppm | 2000/39/EC |
| | | | 884 mg/m3 | |
| | Further info | mation: Identifies | the possibility of significar | nt uptake |
| | through the | skin, Indicative | | |
| 4-methylpentan- | 108-10-1 | STEL | 100 ppm | GB EH40 |
| 2-one | | | 416 mg/m3 | |
| | Further information: Can be absorbed through the skin. The assigned | | | |
| | substances are those for which there are concerns that dermal | | | |
| | absorption will lead to systemic toxicity. | | | |
| | | TWA | 50 ppm | GB EH40 |
| | | | 208 mg/m3 | |
| | Further information: Can be absorbed through the skin. The assigned | | | |
| | substances are those for which there are concerns that dermal | | | |
| | absorption v | vill lead to systemic | c toxicity. | |
| | | TWA | 20 ppm | 2000/39/EC |



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| | | 83 mg/m3 | |
|---------------|--------------------|---------------------|------------|
| Further infor | mation: Indicative | | |
| | STEL | 50 ppm 208 mg/m3 | 2000/39/EC |
| Further infor | mation: Indicative | | |

Biological occupational exposure limits

| Substance name | CAS-No. | Control parameters | Sampling time | Basis |
|----------------------|-----------|--|---------------|----------------|
| xylene | 1330-20-7 | methyl hippuric acid: 650 Millimoles per mole creatinine (Urine) | After shift | GB EH40 BAT |
| 4-methylpentan-2-one | 108-10-1 | 4-methylpentan- 2-one: 20 micromol per litre | After shift | GB EH40 BAT |



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| | | (Urine) | | |
|---|---|---|---|---|
| 8.2 Exposure controls | | | | |
| Engineering measures Ensure adequate ventilatior | I. | | | |
| Personal protective equip | ment | | | |
| Eye/face protection | : Tightly 166) | y fitting safety goggle | es (splash goggles) (e | e.g. EN |
| | Requir | red when there is a r | isk of eye contact. | |
| Hand protection | | | | |
| Remarks | certifie nitrile inform manuf inform materi produc workp | protective gloves. An ed according to EN IS gloves - material thic ation on penetration acturer of the glove. ation from the glove al manufacturer or a ct components. The s lace should be discus ptective gloves. Requ | O 374-1 is suitable: ckness: 0,35 mm Fur time is available fro Data are based on manufacturer, the r according to specifics suitability for a speci | e.g. ther om the raw s of the fic cers of |

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| | permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short- term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1) |
|----------------------------|--|
| Skin and body protection : | Anti-static protective clothing |
| | Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres. |
| Respiratory protection : | Suitable respiratory equipment: |
| | When workers are facing concentrations above the exposure limit they must use appropriate certified |



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respirators.

| | In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. |
|-----------------------|---|
| | half-mask with A2P2 class combination filter |
| Protective measures : | Do not breathe vapour/spray. |
| | Eye wash fountains and safety showers must be easily accessible. |
| | If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. |
| | Avoid contact with the skin, eyes and clothing. |
| | Handle in accordance with good industrial hygiene and safety practice. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid



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| Color | : | colorless |
|---|---|--|
| Odor | : | hydrocarbon-like |
| рН | : | substance/mixture is non-polar/aprotic |
| Melting point/ range | : | not determined |
| Boiling point/boiling range | : | 124 - 167 °CMethod: calculated |
| Flash point | : | 24 °C |
| | | Method: ISO 3679 |
| Upper explosion limit / Upper flammability limit | : | not determined |
| Lower explosion limit / Lower flammability limit | : | > 35 g/m3 |



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| Vapor pressure | : | 8.4000 hPa (20 °C) |
|--|---|-----------------------------|
| | | Method: other (calculated) |
| | | |
| | | (50 °C) |
| | | not determined |
| | | |
| Relative vapor density | : | Heavier than air. |
| | | |
| Density | : | 0.911 g/cm3 (20 °C) |
| | | |
| Solubility(ies) Water solubility | | not determined |
| | | |
| Partition coefficient: n- octanol/water | : | not applicable for mixtures |
| | | |



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| Autoignition temperature | : | > 200 °C |
|-----------------------------------|---|---|
| Decomposition temperature | : | No decomposition if stored and handled as prescribed/indicated. |
| Viscosity Viscosity, kinematic | : | 6.0 mm2/s (23 °C) |
| | | 5.10 mm2/s (40 °C) |
| Flow time | : | < 30 s at 23 °C |
| | | Cross section: 3 mm |
| | | Method: ISO 2431 |
| Explosive properties | : | Not explosive |



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|--|--------------------------------|---------------------------------------|---|--|
| Ox | idizing properties | : The substance of | or mixture is not classified as oxidizing. | |
| 9.2 Other information Flammability (liquids) | | : Flammable liqu | : Flammable liquid and vapour. | |
| Se | lf-heating substances | : The substance | or mixture is not classified as self heating. | |
| M | etal corrosion rate | : Not corrosive to | o metals. | |
| Ра | rticle size | : The substance , solid or granula | <pre>/ product is marketed or used in a non ir form.</pre> | |

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.



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| 10.3 Possibility of hazardous reactions | | | | |
|---|--|--|--|--|
| Hazardous reactions | Vapours may form ignitable mixture with air. | | | |
| | | | | |
| 10.4 Conditions to avoid | | | | |
| Conditions to avoid | Avoid direct sunlight. | | | |
| | Heat, flames and sparks. | | | |
| | | | | |
| 10.5 Incompatible materials | | | | |
| Materials to avoid : | Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. | | | |

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.



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| Product: | | |
|--|---|--|
| Acute inhalation toxicity | : | Acute toxicity estimate: > 20 mg/l Exposure time: 4 h |
| | | Test atmosphere: vapor |
| | | Method: Calculation method |
| | | |
| Acute dermal toxicity | : | Acute toxicity estimate: > 2,000 mg/kg |
| | | Method: Calculation method |
| | | |
| Skin corrosion/irritation Causes skin irritation. | | |
| Components: | | |
| n-Butyl acetate: | | |
| Result | : | Repeated exposure may cause skin dryness or cracking. |
| I | | |

Serious eye damage/eye irritation

Causes serious eye irritation.



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Respiratory or skin sensitization

Skin sensitization

Based on available data, the classification criteria are not met.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available



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12.3 Bioaccumulative potential

| Components: | | |
|----------------------------|---|---------------------------------|
| n-Butyl acetate: | | |
| Partition coefficient: n- | : | Pow: 200 (25 °C) |
| octanol/water | | log Pow: 2.3 (25 °C) |
| | | рН: 7 |
| | | Method: OECD Test Guideline 117 |
| | | GLP: yes |
| | | |
| 1-methoxy-2-propylacetate: | | |
| Partition coefficient: n- | | log Pow: 1.2 (20 °C) |
| octanol/water | | рН: 6.8 |
| | | Method: OECD Test Guideline 117 |
| | | GLP: yes |
| | | |
| xylene: | | |



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| Partition coefficient: n- | cient: n- : | log Pow: 3.12 - 3.20 (25 °C) |
|---------------------------|-------------|---|
| octanol/water | | GLP: no |
| | | Remarks: Information taken from reference works and the literature. |
| ethylbenzene: | | |
| Partition coefficient: n- | : | Pow: 4,170 (20 °C) |
| octanol/water | | log Pow: 3.6 (20 °C) |
| | | рН: 7.8 |
| | | GLP: yes |
| | | |
| 4-methylpentan-2-one: | | |
| Partition coefficient: n- | : | Pow: 79 (20 °C) |
| octanol/water | er | log Pow: 1.9 (20 °C) |
| | | рН: 6.7 |
| | | Method: OECD Test Guideline 117 |



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| | GLP: no |
|---|---|
| 12.4 Mobility in soil No data available | |
| 12.5 Results of PBT and vPvB asses | ssment |
| 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: | |
| Endocrine disrupting : potential | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |



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Global warming potential

Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) of the United Nations Framework Convention on Climate Change (UNFCCC)

Components:

Octamethylcyclotetrasiloxane:

20-year global warming potential: 2.66 100-year global warming potential: 0.739 500-year global warming potential: 0.211 Atmospheric lifetime: 0.027 yr Radiative efficiency: 0.12 Wm2ppb Further information: Miscellaneous compounds

Decamethylcyclopentasiloxane:

20-year global warming potential: 1.04 100-year global warming potential: 0.289 500-year global warming potential: 0.082 Atmospheric lifetime: 0.016 yr Radiative efficiency: 0.098 Wm2ppb Further information: Miscellaneous compounds

Dodecamethylcyclohexasiloxane:

20-year global warming potential: 0.51 100-year global warming potential: 0.142 500-year global warming potential: 0.04 Atmospheric lifetime: 0.011 yr Radiative efficiency: 0.086 Wm2ppb Further information: Miscellaneous compounds



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SECTION 13: Disposal considerations

| 13.1 Waste treatment methods | | |
|------------------------------|-----|---|
| Product | t : | Do not discharge into drains/surface waters/groundwater. |
| | | Observe national and local legal requirements. |
| Contaminated packaging | : | Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC |
| | | Packaging that is not properly emptied must be disposed of as the unused product. |

SECTION 14: Transport information

| 14.1 | 14.1 UN number | | | | |
|------|----------------|---|---------|--|--|
| | ADN | : | UN 1263 | | |
| | ADR | : | UN 1263 | | |



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| RID | : UN 1263 |
|------|-----------|
| IMDG | : UN 1263 |
| ΙΑΤΑ | : UN 1263 |

14.2 UN proper shipping name

Т

| ADN | | : | PAINT RELATED MATERIAL |
|------|---|---|------------------------|
| ADR | | : | PAINT RELATED MATERIAL |
| RID | | : | PAINT RELATED MATERIAL |
| IMDO | 6 | : | PAINT RELATED MATERIAL |
| ΙΑΤΑ | | : | PAINT RELATED MATERIAL |
| • | | | |

14.3 Transport hazard class(es)

| | Class | Subsidiary risks |
|-----|-------|------------------|
| ADN | : 3 | |
| ADR | : 3 | |



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| | RID | : | 3 |
|------|---------------------------------|---|----|
| | IMDG | : | 3 |
| | ΙΑΤΑ | : | 3 |
| 14.4 | Packing group | | |
| | ADN | | |
| | Packing group | : | Ш |
| | Classification Code | : | F1 |
| | Hazard Identification Number | : | 30 |
| | Labels | : | 3 |
| | ADR | | |
| | Packing group | : | ш |
| | Classification Code | : | F1 |
| | Hazard Identification Number | : | 30 |
| | | | |



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| Labels | : | 3 |
|---|---|-----------------|
| Tunnel restriction code | : | (D/E) |
| RID | | |
| Packing group | : | Ш |
| Classification Code | : | F1 |
| Hazard Identification Number | : | 30 |
| Labels | : | 3 |
| IMDG | | |
| Packing group | : | Ш |
| Labels | : | 3 |
| EmS Code | : | F-E, <u>S-E</u> |
| IATA (Cargo) | | |
| Packing instruction (cargo aircraft) | : | 366 |
| | | |



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| | 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 liquid |
| 14.5 | 5 Environmental hazards | | |
| | ADN | | |
| | Environmentally hazardous | : | no |

ADR

Environmentally : no



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hazardous

RID

| Environmentally | : | no |
|-----------------|---|----|
| hazardous | | |
| | | |
| IMDG | | |

Marine pollutant : 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 Relevant EU provisions transposed through retained EU law

| UK REACH List of restrictions (Annex 17) : Condi | tions of restriction for the |
|--|------------------------------|
|--|------------------------------|

following entries should be



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considered:

Number on list 3

| UK REACH Candidate list of substances of ve concern (SVHC) for Authorisation | ery high | : | Not applicable |
|---|----------|-----|-----------------|
| The Persistent Organic Pollutants Regulation (retained Regulation (EU) 2019/1021 as am for Great Britain) | | : | Not applicable |
| Regulation (EC) on substances that deplete ozone layer | the | : | Not applicable |
| UK REACH List of substances subject to authorisation (Annex XIV) | | : | Not applicable |
| | P5c | | |
| Control of Major Accident Hazards Regulations 2015 (COMAH) | P5c | FLA | AMMABLE LIQUIDS |



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| Volatile organic compounds | : | Volatile organic compounds (VOC) content: 900 g/l |
|-------------------------------|---|--|
| | | Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) |
| | | Volatile organic compounds (VOC) content: 98.61 % |

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

| Details relating to the VOC Directive 2004/42/EC: | |
|--|---------|
| Subcategory as indicated in Annex IIB: | е |
| Limit value for maximum VOC content as specified in Annex IIB: | 840 g/l |
| VOC content of the ready-for-use product according to ISO 11890-2: | 839 g/l |



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15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

SECTION 16: Other information

| Full text of H-Statements | |
|---------------------------|---|
| H225 | : Highly flammable liquid and vapor. |
| H226 | : Flammable liquid and vapor. |
| H304 | : May be fatal if swallowed and enters airways. |
| H312 | : Harmful in contact with skin. |
| H315 | : Causes skin irritation. |
| H319 | : Causes serious eye irritation. |
| H332 | : Harmful if inhaled. |
| H335 | : May cause respiratory irritation. |
| H336 | : May cause drowsiness or dizziness. |
| H351 | : Suspected of causing cancer. |



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| H373 | : | May cause damage to organs through prolonged or repeated exposure. |
|---------------------------------|-----|--|
| H412 | : | Harmful to aquatic life with long lasting effects. |
| Full text of other abbreviation | ons | |
| 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 |
| Skin Irrit. | : | Skin irritation |
| STOT RE | : | Specific target organ toxicity - repeated exposure |
| STOT SE | : | Specific target organ toxicity - single exposure |
| 2000/39/EC | : | Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| 2019/1831/EU | : | Europe. Commission Directive 2019/1831/EU |



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| | | establishing a fifth list of indicative occupational exposure limit values |
|---------------------|---|--|
| GB EH40 | : | UK. EH40 WEL - Workplace Exposure Limits |
| GB EH40 BAT | : | UK. Biological monitoring guidance values |
| 2000/39/EC / TWA | : | Limit Value - eight hours |
| 2000/39/EC / STEL | : | Short term exposure limit |
| 2019/1831/EU / TWA | : | Limit Value - eight hours |
| 2019/1831/EU / STEL | : | Short term exposure limit |
| GB EH40 / TWA | : | Long-term exposure limit (8-hour TWA reference period) |
| GB EH40 / STEL | : | Short-term exposure limit (15-minute reference period) |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in



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Bulk: IC50 - Half maximal inhibitory concentration: ICAO - International Civil Aviation Organization: IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan): ISO - International Organisation for Standardization: KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT -Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

Classification of the mixture:

Classification procedure:



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| Flam. Liq. 3 | H226 | Based on product data or assessment |
|---------------|------|-------------------------------------|
| Skin Irrit. 2 | H315 | Calculation method |
| Eye Irrit. 2 | H319 | Calculation method |
| STOT SE 3 | H336 | Calculation method |
| STOT RE 2 | H373 | Calculation method |
| Asp. Tox. 1 | H304 | Calculation method |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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