SAFETY DATA SHEET



Adhesive Spray for detachable joints

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

| 1.1 Product identifier | |
|------------------------|--|
| Product name | : Adhesive Spray for detachable joints |
| UFI | : HQR1-K0EW-W00E-6W5T |
| Product code | : 118020 |
| Color | : Colorless to light yellow. |
| Product type | : Aerosol. |

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

| Identified uses | |
|---------------------------|--------|
| Aerosol product-Adhesives | |
| Uses advised against | Reason |
| | Reason |

1.3 Details of the supplier of the safety data sheet

| | • |
|---|------------------|
| WEICON GmbH & Co. KG | |
| Königsberger Str. 25, | |
| 48157 Münster, Germany | |
| phone: +49 251 93220, | |
| Fax: +49 251 9322244 | |
| email: info@weicon.de, | |
| URL: www.weicon.de | |
| e-mail address of person responsible for this SDS | : msds@weicon.de |
| • | |
| | |

1.4 Emergency telephone number

National advisory body/Poison Center

| Telephone number | : EMERGENCY CONTACT – UK, UAE, South Africa (24h): Tel: ++44 1865 407333 |
|------------------|--|
| | (English) TRANSPORT EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English) |

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Aerosol 1, H222, H229 Skin Irrit. 2, H315 Aquatic Chronic 3, H412 The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Adhesive Spray for detachable joints

| SECTION 2: Hazards ident | tification |
|---------------------------------|------------|
|---------------------------------|------------|

| Hazard pictograms | | |
|---|--|---|
| Signal word | : Danger | |
| Hazard statements | H222, H229 - Extremely flammable aerosol. Pressurized container: may burst if heated. H315 - Causes skin irritation. H412 - Harmful to aquatic life with long lasting effects. | |
| Precautionary statements | | |
| General | : P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. | |
| Prevention | P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P264 - Wash thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves. | I |
| Response | : P362 + P364 - Take off contaminated clothing and wash it before reuse. | |
| Storage | : P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 5 °C/122 °F. | 0 |
| Disposal | : P501 - Dispose of waste according to applicable legislation. | |
| Supplemental label elements | : Not applicable. | |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Not applicable. | |
| 2.3 Other hazards | | |
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. | ł |
| Other hazards which do not result in classification | : Aspiration hazard - Not applicable. | |

SECTION 3: Composition/information on ingredients

| 3.2 Mixtures Product/ingredient name | : Mixture | % | Classification | Specific Conc. Limits, M-factors and ATEs | Туре |
|--------------------------------------|---|------------------|---|---|------|
| butane | REACH #: 01-2119474691-32 EC: 203-448-7 CAS: 106-97-8 Index: 601-004-00-0 | ≥25 - ≤50 | Flam. Gas 1A, H220 Press. Gas (Comp.), H280 | - | [2] |
| dimethoxymethane | REACH #: 01-2119664781-31 EC: 203-714-2 CAS: 109-87-5 | ≥25 - ≤50 | Flam. Liq. 2, H225 | - | [2] |
| Date of issue/Date of revision | : 5/12/2025 Date | e of previous is | sue : 2/19/2025 | Version : 3.2 | 2 2 |

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| propane | REACH #: 01-2119486944-21 EC: 200-827-9 CAS: 74-98-6 Index: 601-003-00-5 | ≥10 - ≤25 | Flam. Gas 1A, H220 Press. Gas (Comp.), H280 | - | [2] |
|---|---|-------------|--|--|---------|
| Isobutane | REACH #: 01-2119485395-27 EC: 200-857-2 CAS: 75-28-5 Index: 601-004-00-0 | ≥5 - ≤10 | Flam. Gas 1A, H220 Press. Gas (Comp.), H280 | - | [2] |
| ethyl acetate | REACH #: 01-2119475103-46 EC: 205-500-4 CAS: 141-78-6 Index: 607-022-00-5 | ≥1 - ≤3 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066 | - | [1] [2] |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane | EC: 931-254-9 | ≥1 - ≤3 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 | - | [1] |
| heptane | REACH #: 01-2119457603-38 EC: 205-563-8 CAS: 142-82-5 Index: 601-008-00-2 | ≥0.3 - <1 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | M [Acute] = 1 M [Chronic] = 1 | [1] [2] |
| cyclohexane | REACH #: 01-2119463273-41 EC: 203-806-2 CAS: 110-82-7 Index: 601-017-00-1 | ≥0.3 - <1 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | M [Acute] = 1 M [Chronic] = 1 | [1] [2] |
| Isopropyl alcohol | REACH #: 01-2119457558-25 EC: 200-661-7 CAS: 67-63-0 Index: 603-117-00-0 | ≥0.3 - <1 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 | - | [1] [2] |
| pentane | REACH #: 01-2119459286-30 EC: 203-692-4 CAS: 109-66-0 Index: 601-006-00-1 | ≥0.1 - ≤0.2 | Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066 | - | [1] [2] |
| vinyl acetate | REACH #: 01-2119471301-50 EC: 203-545-4 CAS: 108-05-4 Index: 607-023-00-0 | ≤0.1 | Flam. Liq. 2, H225 Acute Tox. 4, H332 Carc. 2, H351 STOT SE 3, H335 | ATE [Inhalation (vapours)] = 11.4 mg/l | [1] [2] |
| | | | See Section 16 for the full text of the H statements declared above. | | |

Adhesive Spray for detachable joints

SECTION 3: Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

<u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

| 4.1 Description of first aid n | neasures |
|--------------------------------|--|
| Eye contact | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Skin contact | : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |

4.2 Most important symptoms and effects, both acute and delayed

| <u>Over-exposure signs/sym</u> | <u>ptoms</u> | |
|--|--|--|
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness | |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing | |
| Skin contact | : Adverse symptoms may include the following: irritation redness | |
| Ingestion | : No specific data. | |
| 4.3 Indication of any immediate medical attention and special treatment needed | | |

| Notes to physician | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. | ! |
|---------------------|--|---|
| Specific treatments | : No specific treatment. | |

SECTION 5: Firefighting measures

| 5.1 Extinguishing media | |
|--------------------------------|---|
| Suitable extinguishing media | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known. |

5.2 Special hazards arising from the substance or mixture

| Hazards from the substance or mixture | : | Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
|---|---|--|
| Hazardous combustion products | : | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| 5.3 Advice for firefighters | | |
| Special protective actions for fire-fighters | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Special protective equipment for fire-fighters | : | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

SECTION 6: Accidental release measures

| 6.1 Personal precautions, pro | ote | ctive equipment and emergency procedures |
|--------------------------------|-----|--|
| For non-emergency personnel | : | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| For emergency responders | : | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| 6.2 Environmental precautions | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. |
| 6.3 Methods and materials fo | r c | ontainment and cleaning up |
| Small spill | : | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and |

explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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SECTION 6: Accidental release measures

| Large spill | : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. |
|---------------------------------|--|
| 6.4 Reference to other sections | See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information. |

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

| Protective measures | : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. |
|--|--|
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Danger criteria

| | Notification and MAPP threshold | Safety report threshold |
|-----|---------------------------------|-------------------------|
| P3a | 150 tonne | 500 tonne |

| 7.3 Specific end use(s) |
|-------------------------|
|-------------------------|

| Recommendations | : Not available. |
|--------------------------------------|------------------|
| Industrial sector specific solutions | : Not available. |

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values |
|--|---|
| butane | TRGS 900 OEL (Germany, 7/2021). |
| | TWA: 2400 mg/m ³ 8 hours. |
| | PEAK: 9600 mg/m ³ 15 minutes. |
| | TWA: 1000 ppm 8 hours. |
| | PEAK: 4000 ppm 15 minutes. |
| | DFG MAC-values list (Germany, 10/2021). [Butane] |
| | TWA: 1000 ppm 8 hours. |
| | PEAK: 4000 ppm, 4 times per shift, 15 minutes. |
| | TWA: 2400 mg/m ³ 8 hours. |
| | PEAK: 9600 mg/m ³ , 4 times per shift, 15 minutes. |
| limethoxymethane | TRGS 900 OEL (Germany, 4/2023). |
| | TWA: 1600 mg/m ³ 8 hours. |
| | TWA: 500 ppm 8 hours. |
| | PEAK: 3200 mg/m ³ 15 minutes. |
| | PEAK: 1000 ppm 15 minutes. |
| | DFG MAC-values list (Germany, 7/2022). |
| | TWA: 500 ppm 8 hours. |
| | PEAK: 1000 ppm, 4 times per shift, 15 minutes. |
| | TWA: 1600 mg/m ³ 8 hours. |
| | PEAK: 3200 mg/m ³ , 4 times per shift, 15 minutes. |
| propane | TRGS 900 OEL (Germany, 4/2023). |
| | TWA: 1800 mg/m ³ 8 hours. |
| | PEAK: 7200 mg/m ³ 15 minutes. |
| | TWA: 1000 ppm 8 hours. |
| | PEAK: 4000 ppm 15 minutes. |
| | DFG MAC-values list (Germany, 7/2022). |
| | TWA: 1000 ppm 8 hours. |
| | PEAK: 4000 ppm, 4 times per shift, 15 minutes. |
| | TWA: 1800 mg/m ³ 8 hours. |
| | PEAK: 7200 mg/m ³ , 4 times per shift, 15 minutes. |
| sobutane | TRGS 900 OEL (Germany, 7/2021). |
| | TWA: 2400 mg/m ³ 8 hours. |
| | PEAK: 9600 mg/m ³ 15 minutes. |
| | TWA: 1000 ppm 8 hours. |
| | PEAK: 4000 ppm 15 minutes. |
| | DFG MAC-values list (Germany, 10/2021). [Butane] |
| | TWA: 1000 ppm 8 hours. |
| | PEAK: 4000 ppm, 4 times per shift, 15 minutes. |
| | TWA: 2400 mg/m ³ 8 hours. |
| | PEAK: 9600 mg/m ³ , 4 times per shift, 15 minutes. |
| thyl acetate | TRGS 900 OEL (Germany, 4/2023). |
| | TWA: 730 mg/m ³ 8 hours. |
| | PEAK: 1460 mg/m ³ 15 minutes. |
| | TWA: 200 ppm 8 hours. |
| | PEAK: 400 ppm 15 minutes. |
| | DFG MAC-values list (Germany, 7/2022). |
| | TWA: 200 ppm 8 hours. |
| | PEAK: 400 ppm, 4 times per shift, 15 minutes. |
| | TWA: 750 mg/m ³ 8 hours. |
| | PEAK: 1500 mg/m ³ , 4 times per shift, 15 minutes. |
| | |
| te of issue/Date of revision : 5/12/2025 | Date of previous issue: 2/19/2025Version: 3.2 |

| heptane | TRGS 900 OEL (Germany, 4/2023). |
|------------------|--|
| | TWA: 2100 mg/m³ 8 hours. |
| | PEAK: 2100 mg/m ³ 15 minutes. |
| | TWA: 500 ppm 8 hours. |
| | PEAK: 500 ppm 15 minutes. |
| | DFG MAC-values list (Germany, 7/2022). |
| | TWA: 500 ppm 8 hours. |
| | PEAK: 500 ppm, 4 times per shift, 15 minutes. |
| | TWA: 2100 mg/m ³ 8 hours. |
| | PEAK: 2100 mg/m³, 4 times per shift, 15 minutes. |
| cyclohexane | TRGS 900 OEL (Germany, 4/2023). |
| | TWA: 700 mg/m ³ 8 hours. |
| | PEAK: 2800 mg/m ³ 15 minutes. |
| | TWA: 200 ppm 8 hours. |
| | PEAK: 800 ppm 15 minutes. |
| | DFG MAC-values list (Germany, 7/2022). |
| | TWA: 200 ppm 8 hours. |
| | PEAK: 800 ppm, 4 times per shift, 15 minutes. |
| | TWA: 700 mg/m³ 8 hours. PEAK: 2800 mg/m³, 4 times per shift, 15 minutes. |
| | · _ · · · · · · · · · · · · · · · · |
| sopropyl alcohol | TRGS 900 OEL (Germany, 4/2023). |
| | TWA: 500 mg/m³ 8 hours. |
| | PEAK: 1000 mg/m ³ 15 minutes. |
| | TWA: 200 ppm 8 hours. |
| | PEAK: 400 ppm 15 minutes. |
| | DFG MAC-values list (Germany, 7/2022). |
| | TWA: 200 ppm 8 hours. |
| | PEAK: 400 ppm, 4 times per shift, 15 minutes. |
| | TWA: 500 mg/m³ 8 hours. PEAK: 1000 mg/m³, 4 times per shift, 15 minutes. |
| | |
| pentane | TRGS 900 OEL (Germany, 4/2023). |
| | TWA: 3000 mg/m ³ 8 hours. |
| | PEAK: 6000 mg/m ³ 15 minutes. |
| | TWA: 1000 ppm 8 hours. |
| | PEAK: 2000 ppm 15 minutes. |
| | DFG MAC-values list (Germany, 7/2022). [Pentane (all isomers |
| | TWA: 1000 ppm 8 hours. |
| | PEAK: 2000 ppm, 4 times per shift, 15 minutes. TWA: 3000 mg/m ³ 8 hours. |
| | PEAK: 6000 mg/m³, 4 times per shift, 15 minutes. |
| vinul apatata | TRGS 900 OEL (Germany, 4/2023). Absorbed through skin. |
| vinyl acetate | TWA: 36 mg/m ³ 8 hours. |
| | TWA: 30 mg/m 8 hours. |
| | PEAK: 36 mg/m ³ 15 minutes. |
| | PEAK: 10 ppm 15 minutes. |
| | CEIL: 20 ppm |
| | CEIL: 72 mg/m ³ |
| | DFG MAC-values list (Germany, 7/2022). Absorbed through |
| | skin. |
| | CEIL: 71 mg/m ³ |
| | CEIL: 20 ml/m ³ |
| | PEAK: 36 mg/m ³ , 4 times per shift, 15 minutes. |
| | PEAK: 10 ppm, 4 times per shift, 15 minutes. |
| | TWA: 36 mg/m ³ 8 hours. |
| | TWA: 10 ppm 8 hours. |

SECTION 8: Exposure controls/personal protection

Biological exposure indices

| Product/ingredient name heptane | Exposure indices DFG BEI-values list (Germany, 7/2022) BEI: 250 μg/l, heptane-2,5-dione [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2022) BEI: 250 μg/l, heptane-2,5-dione [in urine]. Sampling time: end of exposure or end of shift. |
|--|--|
| cyclohexane | DFG BEI-values list (Germany, 7/2022) BEI: 150 mg/g creatinine, 1,2-cyclohexanediol (after hydrolysis) [in urine]. Sampling time: for long-term exposures: at the end of the shift after several shifts. TRGS 903 - BEI Values (Germany, 2/2022) BEI: 150 mg/g creatinine, 1,2-cyclohexanediol (after hydrolysis) [in urine]. Sampling time: end of exposure or end of shift; for long- term exposures: at the end of shift after several shifts. |
| propan-2-ol | DFG BEI-values list (Germany, 7/2022) BEI: 25 mg/l, acetone [in blood]. Sampling time: end of exposure or end of shift. BEI: 25 mg/l, acetone [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 2/2022) BEI: 25 mg/l, acetone [in whole blood]. Sampling time: end of exposure or end of shift. BEI: 25 mg/l, acetone [in urine]. Sampling time: end of exposure or end of shift. |
| procedures European Stan assessment of values and me atmospheres - of exposure to (Workplace atr for the measure | uld be made to monitoring standards, such as the following: dard EN 689 (Workplace atmospheres - Guidance for the exposure by inhalation to chemical agents for comparison with limit asurement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment chemical and biological agents) European Standard EN 482 nospheres - General requirements for the performance of procedures ement of chemical agents) Reference to national guidance methods for the determination of hazardous substances will also be |

DNELs/DMELs

| Product/ingredient name | Туре | Exposure | Value | Population | Effects |
|-----------------------------------|--------|--------------------------|---------------------|-----------------------|----------------|
| ethyl acetate | DNEL | Long term Oral | 4.5 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 37 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 63 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 367 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 367 mg/m³ | General population | Systemic |
| | DNEL | Short term Inhalation | 734 mg/m³ | General population | Local |
| | DNEL | Short term Inhalation | 734 mg/m³ | General population | Systemic |
| e of issue/Date of revision : 5/1 | 2/2025 | Date of previous issue | : 2/19/20 | 25 Ve | ersion : 3.2 9 |

| ECTION 8: Exposure | controis/p | personal prote | ction | 1 | |
|--------------------|------------|--------------------------|-----------------------|-----------------------|----------|
| | DNEL | Long term Inhalation | 734 mg/m ³ | Workers | Local |
| | DNEL | Long term Inhalation | 734 mg/m³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 1468 mg/ m³ | Workers | Local |
| | DNEL | Short term Inhalation | 1468 mg/ m³ | Workers | Systemic |
| heptane | DNEL | Long term Oral | 149 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 149 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 300 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 447 mg/m³ | General population | Systemic |
| | DNEL | Long term Inhalation | 2085 mg/ m³ | Workers | Systemic |
| cyclohexane | DNEL | Long term Oral | 59.4 mg/ kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 206 mg/m³ | General population | Local |
| | DNEL | Long term Inhalation | 206 mg/m³ | General population | Systemic |
| | DNEL | Short term Inhalation | 412 mg/m³ | General population | Local |
| | DNEL | Short term Inhalation | 412 mg/m³ | General population | Systemic |
| | DNEL | Long term Inhalation | 700 mg/m³ | Workers | Local |
| | DNEL | Long term Inhalation | 700 mg/m³ | Workers | Systemic |
| | DNEL | Long term Dermal | 1186 mg/ kg bw/day | General population | Systemic |
| | DNEL | Short term Inhalation | 1400 mg/ m³ | Workers | Local |
| | DNEL | Short term Inhalation | 1400 mg/ m³ | Workers | Systemic |
| | DNEL | Long term Dermal | 2016 mg/ kg bw/day | Workers | Systemic |
| pentane | DNEL | Long term Oral | 214 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 214 mg/kg bw/day | General population | Systemic |

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|--|------|--------------------------|------------------------|-----------------------|----------|
| SECTION 8: Exposure controls/personal protection | | | | | |
| | DNEL | Long term Dermal | 432 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 643 mg/m³ | General population | Systemic |
| | DNEL | Long term Inhalation | 3000 mg/ m³ | Workers | Systemic |
| vinyl acetate | DNEL | Long term Dermal | 0.42 mg/ kg bw/day | Workers | Systemic |
| | DNEL | Long term Inhalation | 17.6 mg/m ³ | Workers | Local |
| | DNEL | Long term Inhalation | 17.6 mg/m³ | Workers | Systemic |
| | DNEL | Short term Inhalation | 35.2 mg/m ³ | Workers | Local |
| | DNEL | Short term Inhalation | 35.2 mg/m ³ | Workers | Systemic |

PNECs

No PNECs available.

8.2 Exposure controls

| Appropriate engineering controls | : | Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. |
|-------------------------------------|------|--|
| Individual protection meas | ures | |
| Hygiene measures | : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Eye/face protection | : | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. |
| Skin protection | | |
| Hand protection | : | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. Recommended : 1 - 4 hours (breakthrough time): Protective gloves made of nitrile rubber (material thickness of 0,4 mm); EN 374-5 Cat. III 4 - 8 hours (breakthrough time): Protective gloves made of Viton®/ butyl rubber (material thickness of 0,7 mm); EN388 Cat.II / EN374 Cat.III / EN374-2 |
| | | |

SECTION 8: Exposure controls/personal protection

| Body protection | : | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods. |
|---------------------------------|---|--|
| Other skin protection | : | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Respiratory protection | : | Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended : organic vapor (Type AX) and particulate filter |
| Environmental exposure controls | : | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

| 9.1 mormation on basic physical | ind chemical properties |
|--|---|
| <u>Appearance</u> | |
| Physical state | Gas. [Aerosol] |
| Color | Colorless to light yellow. |
| Odor | Characteristic. |
| Odor threshold | Not available. |
| Melting point/freezing point | Not applicable. |
| Initial boiling point and boiling range | -44.5°C (-48.1°F) |
| Flammability | Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts. |
| Lower and upper explosion limit | Lower: 1.1% Upper: 19.9% |
| Flash point | Closed cup: -97°C (-142.6°F) |
| Auto-ignition temperature | Not applicable. |
| Decomposition temperature | Not available. |
| рН | Not applicable. |
| Viscosity | Not applicable. |
| Not available. | |
| Solubility in water | Not available. |
| Partition coefficient: n-octanol/ water | Not applicable. |
| Vapor pressure | 1106.6 kPa (8300 mm Hg) |
| Relative density | Not applicable. |
| Density | 0.682 g/cm³ [20°C (68°F)] |
| Vapor density | Not available. |
| Particle characteristics | |
| Median particle size | Not applicable. |
| | |

9.1 Information on basic physical and chemical properties

9.2 Other information

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SECTION 9: Physical and chemical properties

| 9.2.1 Information with rega | rd to physical hazard classes |
|-----------------------------|---|
| Heat of combustion | : 38.53 kJ/g |
| Explosive properties | Explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and shocks and mechanical impacts. |
| Oxidizing properties | : Not available. |
| <u>Aerosol product</u> | |
| Type of aerosol | : Spray |
| 9.2.2 Other safety characte | ristics |
| Miscible with water | : No. |

SECTION 10: Stability and reactivity

| 10.1 Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
|--|--|
| 10.2 Chemical stability | : The product is stable. |
| 10.3 Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| 10.4 Conditions to avoid | : Avoid all possible sources of ignition (spark or flame). |
| 10.5 Incompatible materials | : No specific data. |
| 10.6 Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|-----------------------|---------|-------------|----------|
| ethyl acetate | LD50 Oral | Rat | 5620 mg/kg | - |
| heptane | LC50 Inhalation Gas. | Rat | 48000 ppm | 4 hours |
| | LC50 Inhalation Vapor | Rat | 103 g/m³ | 4 hours |
| cyclohexane | LD50 Oral | Rat | 6240 mg/kg | - |
| pentane | LC50 Inhalation Vapor | Rat | 364 g/m³ | 4 hours |
| vinyl acetate | LC50 Inhalation Vapor | Rat | 11400 mg/m³ | 4 hours |
| | LD50 Dermal | Rabbit | 2335 mg/kg | - |
| | LD50 Oral | Rat | 2900 mg/kg | - |
| Conclusion/Summary | : Not available. | • | • | |

Conclusion/Summary

Acute toxicity estimates

SECTION 11: Toxicological information Product/ingredient name Oral (mg/ Dermal Inhalation Inhalation kg) (mg/kg) (gases) (vapors) (ppm) (mg/l) ethyl acetate 5620 N/A N/A N/A heptane N/A 48000 103 N/A cyclohexane 6240 N/A N/A N/A 364 pentane N/A N/A N/A vinyl acetate 2335 11.4 2900 N/A

| Irritation/Corrosion | | |
|---------------------------------|---|----------------|
| Conclusion/Summary | : | Not available. |
| Sensitization | | |
| Conclusion/Summary | : | Not available. |
| <u>Mutagenicity</u> | | |
| Conclusion/Summary | : | Not available. |
| Carcinogenicity | | |
| Conclusion/Summary | : | Not available. |
| Reproductive toxicity | | |
| Conclusion/Summary | : | Not available. |
| Teratogenicity | | |
| Conclusion/Summary | : | Not available. |
| Our saif a tannat annau taniait | / | |

Specific target organ toxicity (single exposure)

| Product/ingredient name | Category | Route of exposure | Target organs |
|--|------------|-------------------|------------------------------|
| ethyl acetate | Category 3 | - | Narcotic effects |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane | Category 3 | - | Narcotic effects |
| heptane | Category 3 | - | Narcotic effects |
| cyclohexane | Category 3 | - | Narcotic effects |
| pentane | Category 3 | - | Narcotic effects |
| vinyl acetate | Category 3 | - | Respiratory tract irritation |

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

| Product/ingredient name | Result |
|--|--------------------------------|
| Hydrocarbons, C6, isoalkanes, <5% n-hexane | ASPIRATION HAZARD - Category 1 |
| heptane | ASPIRATION HAZARD - Category 1 |
| cyclohexane | ASPIRATION HAZARD - Category 1 |
| pentane | ASPIRATION HAZARD - Category 1 |

Information on the likely: Not available.routes of exposurePotential acute health effects

| Eye contact | : No known significant effects or critical hazards. |
|-------------|---|
| Inhalation | : No known significant effects or critical hazards. |

Inhalation (dusts

and mists)

(mg/l)

N/A

N/A

N/A

N/A

N/A

SECTION 11: Toxicological information

- **Skin contact** : Causes skin irritation.
- **Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
|--------------|--|
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing |
| Skin contact | : Adverse symptoms may include the following: irritation redness |
| Ingestion | : No specific data. |

Delayed and immediate effects and also chronic effects from short and long term exposure

| <u>Short term exposure</u> | |
|-------------------------------|---|
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Long term exposure | |
| Potential immediate | : Not available. |
| effects | |
| Potential delayed effects | : Not available. |
| Potential chronic health effe | ects |
| Not available. | |
| Conclusion/Summary | : Not available. |
| General | : No known significant effects or critical hazards. |
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Teratogenicity | : No known significant effects or critical hazards. |
| Developmental effects | : No known significant effects or critical hazards. |
| Fertility effects | : No known significant effects or critical hazards. |

11.2 Information on other hazards

11.2.1 Endocrine disrupting propertiesNot available.11.2.2 Other informationNot available.

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------------|-------------------------------------|------------------------------------|----------|
| ethyl acetate | Acute EC50 2500000 µg/l Fresh water | Algae - Selenastrum sp. | 96 hours |
| | Acute LC50 750000 µg/l Fresh water | Crustaceans - Gammarus pulex | 48 hours |
| | Acute LC50 154000 µg/l Fresh water | Daphnia - <i>Daphnia cucullata</i> | 48 hours |
| | Acute LC50 212500 µg/l Fresh water | Fish - Heteropneustes fossilis | 96 hours |
| | | | |
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SECTION 12: Ecological information

| | Chronic NOEC 2.4 mg/l Fresh water | Daphnia - <i>Daphnia magna</i> | 21 days | |
|--------------------|---|--|----------|--|
| | Chronic NOEC 75.6 mg/l Fresh water | Fish - <i>Pimephales promelas</i> - Embryo | 32 days | |
| heptane | Acute LC50 375000 µg/l Fresh water | Fish - Oreochromis mossambicus | 96 hours | |
| cyclohexane | Acute LC50 4530 μg/l Fresh water | Fish - Pimephales promelas | 96 hours | |
| vinyl acetate | Acute LC50 10000 to 100000 µg/l Marine water | Crustaceans - <i>Crangon crangon</i> - Larvae | 48 hours | |
| | Acute LC50 14000 µg/l Fresh water | Fish - Pimephales promelas | 96 hours | |
| Conclusion/Summary | · Not available | | | |

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|------|-----------|
| ethyl acetate | 0.68 | 30 | Low |
| heptane | 4.66 | 552 | High |
| cyclohexane | 3.44 | 167 | Low |
| pentane | 3.45 | 171 | Low |
| vinyl acetate | 0.73 | 3.16 | Low |

| 12.4 Mobility in soil | |
|---|------------------|
| Soil/water partition coefficient (K _{oc}) | : Not available. |
| Mobility | : Not available. |

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

| SECTION 13: | Disposal co | nsiderations |
|-------------|-------------|--------------|
|-------------|-------------|--------------|

| Methods of disposal | : The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. | | |
|------------------------|---|---|--|
| Hazardous waste | : Yes. | | |
| European waste catalog | <u>gue (EWC)</u> | | |
| Waste code | Waste designation | | |
| 16 05 04* | gases in pressure containers (including halons) containing hazardous substances | | |
| Packaging | + | | |
| Methods of disposal | packaging s | tion of waste should be avoided or minimized wherever possible. Waste should be recycled. Incineration or landfill should only be considered ing is not feasible. | |
| Type of packaging | | European waste catalogue (EWC) | |
| Can | 15 01 10* | packaging containing residues of or contaminated by hazardous substances | |
| Special precautions | | al and its container must be disposed of in a safe way. Empty containers y retain some product residues. Do not puncture or incinerate container. | |

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | ΙΑΤΑ |
|------------------------------------|------------------------------------|------------------------------------|--|---|
| 14.1 UN number or ID number | UN1950 | UN1950 | UN1950 | UN1950 |
| 14.2 UN proper shipping name | EROSOLS (butane, dimethoxymethane) | EROSOLS (butane, dimethoxymethane) | ÆEROSOLS (butane, dimethoxymethane) | erosols, flammable (butane, dimethoxymethane) |
| 14.3 Transport hazard class(es) | 2 | 2 | 2.1 | 2.1 |
| 14.4 Packing group | - | - | - | - |
| 14.5 Environmental hazards | Yes. | No. | No. | No. |

Additional information

| ADR/RID | The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. <u>Limited quantity</u> 1 L <u>Special provisions</u> 190, 327, 625, 344 <u>Tunnel code</u> (D) |
|-------------|---|
| ADN IMDG | ADR Classification Code: 5F Special provisions 190, 327, 625, 344 Emergency schedules F-D, S-U Special provisions 63, 190, 277, 327, 344, 381, 959 |

SECTION 14: Transport information

| | | Passenger Aircraft: 30 kg. Packaging instructions: Y203. <u>Special provisions</u> A145, A167, A802 |
|--|---|---|
| 14.6 Special precautions for user | : | Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. |
| 14.7 Maritime transport in bulk according to IMO instruments | : | Not available. |
| instruments | | |

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Product/ingredient name | % | Designation [Usage] | | |
|---|---|--|--|--|
| butane propane isobutane cyclohexane | ≥25 - ≤50 ≥10 - ≤25 ≥5 - ≤10 ≥0.3 - <1 | 40 40 40 57 [Neoprene-based contact adhesive] | | |
| Labeling : Not | applicable. | | | |
| Other EU regulations | | | | |
| Industrial emissions : Not (integrated pollution prevention and control) - Air | listed | | | |
| Industrial emissions : Not (integrated pollution prevention and control) - Water | listed | | | |
| Explosive precursors : Not | applicable. | | | |
| Ozone depleting substances (1005/2009/EU) Not listed. | | | | |
| Prior Informed Consent (PIC) (649/2012/EU) Not listed. | | | | |
| Persistent Organic Pollutants Not listed. | | | | |
| Aerosol dispensers : | | | | |
| | 3 | | | |

Adhesive Spray for detachable joints

SECTION 15: Regulatory information



Extremely flammable

Seveso Directive

This product is controlled under the Seveso Directive.

| <u>Danger criteria</u> | |
|------------------------|-----------|
| Category | |
| P3a | |
| VOC content | : 95.56 % |
| VOC (g/L) | : 651.7 |

National regulations

| Product/ingredient name | List name | Name on list | Classification | Notes |
|-------------------------|---------------------|---------------|----------------|-------|
| vinyl acetate | DFG MAC-values list | Vinyl acetate | K4 | - |

Storage class (TRGS 510) : 2B

Hazardous incident ordinance

This product is controlled under the Germany Hazardous Incident Ordinance.

Danger criteria

| Categor | у | Reference number |
|---------|---|------------------|
| P3a | | 1.2.3.1 |

Hazard class for water : 2

Technical instruction on : TA-Luft Number 5.2.5: 65.2-100%

air quality control International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

| Inventory list | | | | | |
|--------------------------------|--|------------------------------------|-------------|-----------|--|
| Australia | : | Not determined. | | | |
| Canada | : | : Not determined. | | | |
| China | : | : Not determined. | | | |
| Eurasian Economic Union | : | Russian Federation inventory: Not | determined. | | |
| Japan | : Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined. | | | | |
| New Zealand | : Not determined. | | | | |
| Philippines | : | Not determined. | | | |
| Republic of Korea | : | Not determined. | | | |
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SECTION 15: Regulatory information

| Taiwan | : Not determined. |
|------------------------------------|--|
| Thailand | : Not determined. |
| Turkey | : Not determined. |
| United States | : Not determined. |
| Viet Nam | : Not determined. |
| 15.2 Chemical Safety Assessment | : This product contains substances for which Chemical Safety Assessments are still required. |

SECTION 16: Other information

Indicates information that has changed from previously issued version.

| Abbreviations and acronyms | ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] |
|----------------------------|--|
| | DMEL = Derived Minimal Effect Level |
| | DNEL = Derived No Effect Level |
| | EUH statement = CLP-specific Hazard statement |
| | N/A = Not available |
| | PBT = Persistent, Bioaccumulative and Toxic |
| | PNEC = Predicted No Effect Concentration |
| | RRN = REACH Registration Number |
| | SGG = Segregation Group |
| | vPvB = Very Persistent and Very Bioaccumulative |

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification | Justification |
|---------------------|--|
| Skin Irrit. 2, H315 | On basis of test data Expert judgment Calculation method |

Full text of abbreviated H statements

| H220 | Extremely flammable gas. |
|------------|--|
| H222, H229 | Extremely flammable aerosol. Pressurized container: may burst if |
| | heated. |
| H225 | Highly flammable liquid and vapor. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| 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. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Full text of classifications [CLP/GHS]

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|--------------------------------|-------------|------------------------|-------------------------------------|-------------------|-------|
| Flam. Gas 1A | | FLAMMABLE GASE | ES - Category 1A | | |
| Eye Irrit. 2 | | SERIOUS EYE DAN | | TION - Category 2 | |
| Carc. 2 | | CARCINOGENICIT | | | |
| Asp. Tox. 1 | | ASPIRATION HAZA | RD - Category 1 | | |
| Aquatic Chronic 3 | | AQUATIC HAZARD | (LONG-TERM) - Ca | ategory 3 | |
| Aquatic Chronic 2 | | AQUATIC HAZARD | (LONG-TERM) - C | ategory 2 | |
| Aquatic Chronic 1 | | AQUATIC HAZARD | (LONG-TERM) - C | ategory 1 | |
| Aquatic Acute 1 | | AQUATIC HAZARD | AQUATIC HAZARD (ACUTE) - Category 1 | | |
| Aerosol 1 | | AEROSOLS - Categ | gory 1 | | |
| Acute Tox. 4 | | ACUTE TOXICITY - | Category 4 | | |

| SECTION 16: Other information | | | | |
|--|-------------|---|--|--|
| Flam. Liq. 2 Press. Gas (Comp.) Skin Irrit. 2 STOT SE 3 | | FLAMMABLE LIQUIDS - Category 2 GASES UNDER PRESSURE - Compressed gas SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3 | | |
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| Notice to reader | | | | |

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.