| Talken (| Color Srl | | Revision nr. 3 |
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| : anon (| | | Dated 13/10/2015 |
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| | Safety dat | a sheet | |
| SECTION 1. Identification of the substa | ance/mixture a | nd of the company | /undertaking. |
| 1.1. Product identifier. | | | |
| | 0031 | | |
| | INTE RAL IN BARAT MALTO ALCHIDICO | | |
| 1.2. Relevant identified uses of the substance or mix Intended use. TINTE RAL ORIGINALI E | | | |
| 1.3. Details of the supplier of the safety data sheet. | | | |
| Full address.vDistrict and Country.2 | alken Color Srl ia Don Milani 15 0025 Legnano (Mi) alia | | |
| т | el. 0331/579100 | | |
| F | ax. 0331/579372 | | |
| 1.4. Emergency telephone number. For urgent inquiries refer to. | ENTRO ANTIVELEN | VI dI Milano-Niguarda Tel O | 266101029 |
| SECTION 2. Hazards identification. | | | |
| 2.1. Classification of the substance or mixture. | | | |
| The product is classified as hazardous pursuant to the upplements). The product thus requires a safety datashee any additional information concerning the risks for health a | et that complies with t | the provisions of EC Regulat | ion 1907/2006 and subsequent amendments |
| lazard classification and indication: | | | |
| Flammable liquid, category 2 | H225 | Highly flammable I | |
| Serious eye damage, category 1 Skin irritation, category 2 | H318 H315 | Causes serious ey Causes skin irritati | 5 |
| Specific target organ toxicity - single exposure, category | | May cause drowsin | |
| 2.2. Label elements. | | | |
| azard labelling pursuant to EC Regulation 1272/2008 (CL | P) and subsequent a | mendments and supplement | te |

Hazard pictograms:



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| | | |
| Signal words: | Danger | |
| Hazard statements: | | |
| H225 | Highly flammable liquid and vapour. | |
| H318 H315 | Causes serious eye damage. Causes skin irritation. | |
| H336 | May cause drowsiness or dizziness. | |
| Precautionary stateme | ents: | |
| P101 | If medical advice is needed, have product container or label at hand. | |
| P102 P210 | Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition | sources. No smoking |
| P501 | Dispose of contents in different containers for steel | |
| Contains: | BUTANOL N-BUTYL ACETATE | |
| | PROPAN-2-OL | |
| | TOLUENE | |
| | | |
| 2.3. Other hazards. | | |

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances.

Information not relevant.

3.2. Mixtures.

Contains:

| Identification. | Conc. %. | Classification 1272/2008 (CLP). |
|--------------------------------|----------|--|
| 4-HYDROXY-4-METHYLPENTAN-2-ONE | | |
| CAS. 123-42-2 | 10 - 30 | Flam. Liq. 3 H226, Eye Irrit. 2 H319 |
| EC. 204-626-7 | | |
| INDEX. 603-016-00-1 | | |
| BUTANOL | | |
| CAS. 71-36-3 | 9 - 10 | Flam. Liq. 3 H226, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, STOT SE 3 H336 |
| EC. 200-751-6 | | |
| INDEX. 603-004-00-6 | | |
| N-BUTYL ACETATE | | |
| CAS. 123-86-4 | 5 - 9 | Flam. Liq. 3 H226, STOT SE 3 H336, EUH066 |
| EC. 204-658-1 | | , |

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| INDEX. 607-025-00-1 | | | |
| Reg. no. 01-2119485493-29 | | | |
| XYLENE (MIXTURE OF ISOMERS) | | | |
| CAS. 1330-20-7 | 5 - 9 | Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Irrit. 2 H315, Note C | |
| EC. 215-535-7 | | Skin lint. 2 h515, Note C | |
| INDEX. 601-022-00-9 | | | |
| PROPAN-2-OL | | | |
| CAS. 67-63-0 | 1 - 5 | Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336 | |
| EC. 200-661-7 | | | |
| INDEX. 603-117-00-0 | | | |
| Reg. no. 01-2119457558-25 | | | |
| ETHYLBENZENE | | | |
| CAS. 100-41-4 | 1 - 5 | Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373 | |
| EC. 202-849-4 | | | |
| INDEX. 601-023-00-4 | | | |
| 2-BUTOXYETHANOL | | | |
| CAS. 111-76-2 | 1 - 5 | Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315 | |
| EC. 203-905-0 | | 1111. 2 11010 | |
| INDEX. 603-014-00-0 | | | |
| 2-METHOXY-1-METHYLETHYL ACETAT | E | | |
| CAS. 108-65-6 | 0 - 0,5 | Flam. Liq. 3 H226 | |
| EC. 203-603-9 | | | |
| INDEX. 607-195-00-7 | | | |
| AMMIDE DI AC. GRASSI N,N-BIS (IDRO | SSIETILE) | | |
| CAS. 68603-42-9 | 0 - 0,5 | Eye Irrit. 2 H319, Skin Irrit. 2 | |
| EC | | H315 | |
| INDEX | | | |
| TOLUENE | | | |
| CAS. 108-88-3 | 0 - 0,5 | Flam. Liq. 2 H225, Repr. 2 H361d, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336 | |
| EC. 203-625-9 | | | |
| INDEX. 601-021-00-3 | | | |

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures.

4.1. Description of first aid measures.

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EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Information not available.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak. UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water.

Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.

5.3. Advice for firefighters.

GENERAL INFORMATION

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.

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Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition.

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters.

Regulatory References:

CHE Suisse / Schweiz

Valeurs limites d'exposition aux postes de travail 2012. / Grenzwerte am Arbeitsplatz

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| ESP GRB IRL ITA EU | España United Kir Éire Italia OEL EU TLV-ACG | - | INSHT - Límites de exposición profesional para agentes España 2015 EH40/2005 Workplace exposure limits Code of Practice Chemical Agent Regulations 2011 Decreto Legislativo 9 Aprile 2008, n.81 Directive 2009/161/EU; Directive 2006/15/EC; Directive 2 Directive 2000/39/EC. ACGIH 2016 | | | | 2011 | |
| 4-HYDROXY | -4-METHYLPE | ENTAN-2-ONE | | | | | | |
| Threshold L | imit Value. | Oniverting | | | | | | |
| Туре | | Country | TWA/8h | | STEL/15min | | | |
| | | ESP | mg/m3 | ppm | mg/m3 | ppm | | |
| VLA WEL | | GRB | 241 241 | 50 50 | 362 | 75 | | |
| OEL | | IRL | 241 | 50 50 | 362 360 | 75 75 | | |
| TLV-ACGIH | | IKL | 238 | 50 50 | 300 | 75 | | |
| BUTANOL | | | | | | | | |
| Threshold L | imit Value. | Country | TWA/8h | | STEL/15min | | | |
| Туре | | Country | mg/m3 | ppm | mg/m3 | ppm | | |
| VEL | | CHE | 150 | ppm 50 | 150 | ppm 50 | | |
| MAK | | CHE | 150 | 50 | 150 | 50 | | |
| VLA | | ESP | 61 | 20 | 154 | 50 | SKIN. | |
| WEL | | GRB | 01 | 20 | 154 | 50 | SKIN. | |
| OEL | | IRL | | 20 | 134 | 50 | SKIN. | |
| TLV-ACGIH | | | 61 | 20 | | | | |
| N-BUTYL AC | CETATE | | | | | | | |
| Threshold L | imit Value. | Country | T\A/A/Qh | | OTEL (45 min | | | |
| Туре | | Country | TWA/8h | | STEL/15min | | | |
| | | 0115 | mg/m3 | ppm | mg/m3 | ppm | | |
| VEL | | CHE | 480 | 100 | 960 | 200 | | |
| MAK | | CHE | 480 | 100 | 960 | 200 | | |
| VLA | | ESP | 724 | 150 | 965 | 200 | | |
| WEL | | GRB | 724 | 150 | 966 | 200 | | |
| OEL | | IRL | 710 | 150 | 950 | 200 | | |
| TLV-ACGIH | | | 713 | 150 | 950 | 200 | | |
| | | | | | | | | |
| | XTURE OF IS imit Value. | | | | | | | |
| XYLENE (MI | | OMERS) Country | TWA/8h | | STEL/15min | | | |
| XYLENE (MI Threshold L Type | | Country | mg/m3 | ppm | mg/m3 | ppm | | |
| XYLENE (MI Threshold L Type VLA | | Country | mg/m3 221 | 50 | mg/m3 442 | 100 | SKIN. | |
| XYLENE (MI Threshold L Type VLA WEL | | Country ESP GRB | mg/m3 221 220 | 50 50 | mg/m3 442 441 | 100 100 | | |
| XYLENE (MI Threshold L Type VLA WEL OEL | | Country | mg/m3 221 | 50 | mg/m3 442 | 100 | SKIN. | |
| XYLENE (MI Threshold L Type VLA WEL | | Country ESP GRB | mg/m3 221 220 | 50 50 | mg/m3 442 441 | 100 100 | | |

| COUGGI + TINTE RAL IN BARATTOLO TLV-ACGIH 434 100 650 550 PROPAN-2-OL Treshold Limit Value. Type Country TWA/8h STEL/16 Type Country TWA/8h STEL/16 Country TWA/8h TETHY Threshold Limit Value. Type Country TWA/8h STEL/16 Threshold Limit Value. Type Country TWA/8h STEL/16 Threshold Limit Value. Type Country TWA/8h STEL/16 Type Country TWA/8h STEL/16 Type Country TWA/8h STEL/16 Type Country TWA/8h STEL/16 Type Country TWA/8h | Dated 13/10/2015 |
|---|---------------------------------------|
| PROPAN-2-0L Threshold Limit Value. Country TWA/8h STEL/16 Type Country TWA/8h STEL/16 vLA ESP 500 200 1000 WEL GRB 999 400 1250 OEL IRL 200 983 ETHYLBENZENE 492 200 983 TIV-ACGIH 492 200 983 VLA ESP 441 100 884 Type Country TWA/8h STEL/16 Treshold Limit Value. GRB 441 100 884 WEL GRB 441 100 884 VLA ESP 441 100 884 VEL GRB 441 100 884 VLA ESP 442 100 884 TLV-ACGIH EU 442 100 884 VEL Country TWA/8h STEL/16 Type Country TWA/8 | Printed on 26/05/2017 Page n. 7/17 |
| PROPAN-2-0L Threshold Limit Value. Country TWA/8h STEL/16 mg/m3 ppm mg/m3 VLA ESP 500 200 1000 000 WEL GRB 999 400 1250 000 OEL IRL 200 983 000 000 000 TLV-ACGIH 492 200 983 000 <td< th=""><th>Page n. 7/17</th></td<> | Page n. 7/17 |
| Threshold Limit Value. Country TWA/8h STEL/12 Type Country TWA/8h STEL/12 mg/m3 ppm mg/m3 VLA ESP 500 200 1000 WEL GRB 999 400 1250 OEL IRL 200 983 1250 TLV-ACGIH 492 200 983 1250 Threshold Limit Value. TWA/8h STEL/12 100 884 Type Country TWA/8h STEL/12 100 884 VLA ESP 441 100 884 100 100 884 Col IRL 442 100 884 100 100 884 TLV ITA 442 100 884 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 <t< td=""><td>150</td></t<> | 150 |
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| WEL GRB 123 25 246 OEL IRL 98 20 246 TLV ITA 98 20 246 OEL EU 98 20 246 OEL EU 98 20 246 TLV-ACGIH 97 20 246 Threshold Limit Value. Type Country TWA/8h STEL/16 VLA ESP 275 50 550 WEL GRB 274 50 548 OEL IRL 275 50 550 WEL GRB 274 50 550 OEL IRL 275 50 550 OEL EU 275 50 550 | 50 SKIN. |
| OEL IRL 98 20 246 TLV ITA 98 20 246 OEL EU 98 20 246 OEL EU 98 20 246 TLV-ACGIH 97 20 20 246 ZAMETHOXY-1-METHYLETHYL ACETATE Threshold Limit Value. Type Country TWA/8h STEL/18 MIA ESP 275 50 50 WEL GRB 274 50 548 OEL IRL 275 50 550 TLV ITA 275 50 550 OEL EU 275 50 550 | 50 SKIN. |
| TLV ITA 98 20 246 OEL EU 98 20 246 TLV-ACGIH 97 20 20 20 2-METHOXY-1-METHYLETHYL ACETATE Threshold Limit Value. Type Country TWA/8h STEL/15 mg/m3 ppm mg/m3 VLA ESP 275 50 550 WEL GRB 274 50 550 OEL IRL 275 50 550 OLL EU 275 50 550 TLV ITA 275 50 550 OEL EU 275 50 550 OEL EU 275 50 550 | 50 SKIN. |
| OELEU9820246TLV-ACGIH9720 2-METHOXY-1-METHYLETHYL ACETATE Threshold Limit Value.TypeCountryTWA/8hSTEL/16mg/m3ppmmg/m3VLAESP27550VELGRB27450548OELIRL27550550TLVITA27550550OELEU27550550TLVITA27550550TOLUENE Threshold Limit Value. | 50 SKIN. |
| TLV-ACGIH 97 20 2-METHOXY-1-METHYLEACETATE Threshold Limit Value. Type Country TWA/8h STEL/15 mg/m3 ppm mg/m3 VLA ESP 275 50 550 WEL GRB 274 50 548 OEL IRL 275 50 550 TLV ITA 275 50 550 OEL EU 275 50 550 TOLUENE | |
| 2-METHOXY-1-METHYLETHYL ACETATE Threshold Limit Value. Country TWA/8h STEL/15 mg/m3 ppm mg/m3 vLA ESP 275 50 550 WEL GRB 274 50 548 DEL IRL 275 50 550 TLV ITA 275 50 550 DEL EU 275 50 550 TOLUENE Threshold Limit Value. STEL/15 STEL/15 | 50 SKIN. |
| Threshold Limit Value. Type Country TWA/8h STEL/15 mg/m3 ppm mg/m3 VLA ESP 275 50 550 WEL GRB 274 50 548 OEL IRL 275 50 550 TLV ITA 275 50 550 OEL EU 275 50 550 TLV ITA 275 50 550 OEL EU 275 50 550 OEL EU 275 50 550 | |
| Threshold Limit Value. Type Country TWA/8h STEL/15 mg/m3 ppm mg/m3 VLA ESP 275 50 550 WEL GRB 274 50 548 OEL IRL 275 50 550 TLV ITA 275 50 550 OEL EU 275 50 550 TLV ITA 275 50 550 OEL EU 275 50 550 DEL EU 275 50 550 | |
| mg/m3 ppm mg/m3 VLA ESP 275 50 550 WEL GRB 274 50 548 OEL IRL 275 50 550 TLV ITA 275 50 550 OEL EU 275 50 550 OEL EU 275 50 550 OEL EU 275 50 550 TOLUENE Threshold Limit Value. Threshold Limi | |
| VLA ESP 275 50 550 WEL GRB 274 50 548 OEL IRL 275 50 550 TLV ITA 275 50 550 OEL EU 275 50 550 TOLUENE Threshold Limit Value. Threshold Limit Value. The state of the | |
| WEL GRB 274 50 548 DEL IRL 275 50 550 TLV ITA 275 50 550 DEL EU 275 50 550 | |
| OEL IRL 275 50 550 TLV ITA 275 50 550 OEL EU 275 50 550 TOLUENE Threshold Limit Value. | 100 SKIN. |
| TLV ITA 275 50 550 OEL EU 275 50 550 TOLUENE Threshold Limit Value. | 100 |
| OEL EU 275 50 550 TOLUENE Threshold Limit Value. | 100 SKIN. |
| TOLUENE Threshold Limit Value. | 100 SKIN. |
| Threshold Limit Value. | 100 SKIN. |
| Threshold Limit Value. | |
| | |
| | 5min |
| mg/m3 ppm mg/m3 | ppm |
| | |
| | |
| | |

| Taiken Color Sri | | | | | | Revision nr. 3 Dated 13/10/2015 | |
|------------------|-----------|----------|----------|--------|-----|------------------------------------|---------------------------------------|
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| VLA | ESP | 192 | 50 | 384 | 100 | SKI | ۷. |
| WEL | GRB | 191 | 50 | 384 | 100 | SKI | ۷. |
| OEL | IRL | 192 | 50 | 384 | 100 | SKI | ٨. |
| TLV | ITA | 192 | 50 | | | SKI | ٨. |
| OEL | EU | 192 | 50 | 384 | 100 | SKI | ۷. |
| TLV-ACGIH | | 75,4 | 20 | | | | |
| | | | | | | | |

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties.

| Appearance |
|------------------|
| Colour |
| Odour |
| Odour threshold. |

liquid as showed in color folder characteristic of solvent Not available.

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| pH. Melting point / freezing point. Initial boiling point. Boiling range. Flash point. Evaporation Rate Flammability of solids and gases Lower inflammability limit. Upper inflammability limit. Lower explosive limit. Upper explosive limit. Upper explosive limit. Vapour pressure. Vapour density Relative density. Solubility Partition coefficient: n-octanol/water Auto-ignition temperature. Decomposition temperature. Viscosity Explosive properties | Not available. Not available. > 35 °C. Not available. < 23 °C. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. 1,083 Kg/I solubile in acetone e/o diluente nitro Not available. Not available. |
|--|--|
| Oxidising properties | Not available. |
| | |

9.2. Other information.

| Solid content. | 49,34 % | |
|------------------------------|----------------------|-------|
| VOC (Directive 2010/75/EC) : | 50,48 % - 546,80 g/l | itre. |
| VOC (volatile carbon) : | Not available. | |

SECTION 10. Stability and reactivity.

10.1. Reactivity.

The product can decompose and/or react violently.

1-METHOXY-2-PROPANOL ACETATE: stable but with the air it may slowly develop peroxides that explode with an increase in temperature. TOLUENE: breaks down in sunlight.

BUTANOL: attacks various types of plastic.

2-BUTOXYETHANOL: decomposes in the presence of heat.

4-HYDROXY-4-METHYLPENTAN-2-ONE: decomposes at tempratures above 90°C/194°F.

10.2. Chemical stability.

See previous paragraph.

10.3. Possibility of hazardous reactions.

See paragraph 10.1.

XYLENE (MIXTURE OF ISOMERS): stable, but may develop violent reactions in the presence of strong oxidising agents such as sulphuric and nitric acids and perchlorates. May form explosive mixtures with the air.

1-METHOXY-2-PROPANOL ACETATE: may react violently with oxidising agents and strong acids and alkaline metals.

TOLUENE: risk of explosion on contact with fuming sulphuric acid, nitric acid, silver perchlorates, nitrogen dioxide, non-metal halogenides, acetic acid, organic nitrocompounds. Can form explosive mixtures with the air. May react dangerously with: strong oxidising agents, strong acids, sulphur (in the presence of heat).

ETHYLBENZENE: reacts violently with strong oxidising agents and attacks various types of plastics. Can form explosive mixtures with the air.

BUTANOL: reacts violently developing heat with: aluminium, strong oxidising agents, strong reducing agents, hydrochloric acid. Forms explosive mixtures

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with the air.

2-BUTOXYETHANOL: can react dangerously with: aluminium, oxidising agents. Forms peroxide with air. 4-HYDROXY-4-METHYLPENTAN-2-ONE: risk of explosion on contact with the air and sources of heat. Can react dangerously with: alkaline metals, amines, oxidising agents, acids.

10.4. Conditions to avoid.

As the product decomposes even at ambient temperature, it must be stored and used at a controlled temperature. Avoid violent blows.

1-METHOXY-2-PROPANOL ACETATE: store in an inert atmosphere, sheletered from moisture because it hydrolises easily. BUTANOL: avoid exposure to sources of heat and naked flames. 2-BUTOXYETHANOL: avoid exposure to sources of heat and naked flames. 4-HYDROXY-4-METHYLPENTAN-2-ONE: avoid exposure to light, sources of heat and naked flames.

10.5. Incompatible materials.

1-METHOXY-2-PROPANOL ACETATE: oxidising agents, strong acids and alkaline metals.

10.6. Hazardous decomposition products.

ETHYLBENZENE: methane, styrene, hydrogen, ethane. 2-BUTOXYETHANOL: hydrogen.

SECTION 11. Toxicological information.

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

XYLENE (MIXTURE OF ISOMERS): has a toxic effect on the CNS (encephalopathies). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

1-METHOXY-2-PROPANOL ACETATE: the main way of entry is the skin, whereas the respiratory way is less important owing to the low vapour tension of the product. Concentrations above 100 ppm cause eye irritation, nose and oropharynx. At 1000 ppm disturbance in the equilibrium and severe eye irritation is observed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and ocular irritation on direct contact. No chronic effects have been reported in man.

TOLUENE: it has a toxic effect on the central and peripheral nervous system (with encephalopathies and polyneuritis). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

ETHYLBENZENE: like the benzene homologues, may exert an effect on the CNS with depression, narcosis, often preceded by dizziness and accompanied by headache. It is irritating to the skin, conjunctivae and respiratory apparatus.

4-HYDROXY-4-METHYLPENTAN-2-ONE: its acute toxicity is manifested by eye irritation, nose and throat in man at 100 ppm (476 mg/kg) and by pulmonary disorders at 400 ppm. No chronic effects have been reported in man.

XYLENE (MIXTURE OF ISOMERS) LD50 (Oral).3523 mg/kg Rat LD50 (Dermal).4350 mg/kg Rabbit LC50 (Inhalation).26 mg/l/4h Rat

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| -METHOXY-1-METHYLETHYL ACETATE D50 (Oral).8530 mg/kg Rat D50 (Dermal).> 5000 mg/kg Rat OLUENE D50 (Oral).5580 mg/kg Rat D50 (Dermal).12124 mg/kg Rabbit C50 (Inhalation).28,1 mg/l/4h Rat THYLBENZENE D50 (Oral).3500 mg/kg Rat D50 (Dermal).15354 mg/kg Rabbit C50 (Inhalation).17,2 mg/l/4h Rat | |
| D50 (Oral).790 mg/kg Rat D50 (Dermal).3400 mg/kg Rabbit C50 (Inhalation).8000 ppm/4h Rat P-BUTOXYETHANOL D50 (Oral).615 mg/kg Rat D50 (Dermal).405 mg/kg Rabbit C50 (Inhalation).2,2 mg/l/4h Rat | |
| I-HYDROXY-4-METHYLPENTAN-2-ONE .D50 (Oral).4000 mg/kg Rat | |
| PROPAN-2-OL .D50 (Oral).4710 mg/kg Rat .D50 (Dermal).12800 mg/kg Rat .C50 (Inhalation).72,6 mg/l/4h Rat | |
| N-BUTYL ACETATE .D50 (Oral).> 6400 mg/kg Rat .D50 (Dermal).> 5000 mg/kg Rabbit .C50 (Inhalation).21,1 mg/l/4h Rat | |
| SECTION 12. Ecological information. | |
| 12.1. Toxicity. nformation not available. | |

XYLENE (MIXTURE OF ISOMERS) Solubility in water.

Biodegradability: Information not available.

mg/l 100 - 1000

> 10000 mg/l

2-METHOXY-1-METHYLETHYL ACETATE Solubility in water.

Rapidly biodegradable.

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| TOLUENE | | |
|--|--------------------|--|
| Solubility in water. | mg/l 100 - 1000 | |
| Rapidly biodegradable. | | |
| | | |
| ETHYLBENZENE | | |
| Solubility in water. | mg/l 1000 - 10000 | |
| Rapidly biodegradable. | | |
| | | |
| BUTANOL | | |
| Solubility in water. | mg/l 1000 - 10000 | |
| Rapidly biodegradable. | | |
| | | |
| 2-BUTOXYETHANOL | | |
| Solubility in water. | mg/l 1000 - 10000 | |
| Rapidly biodegradable. | | |
| | | |
| 4-HYDROXY-4- | | |
| METHYLPENTAN-2-ONE | ~~~// 1000 _ 10000 | |
| Solubility in water. Rapidly biodegradable. | mg/l 1000 - 10000 | |
| Rapidly biodegradable. | | |
| | | |
| PROPAN-2-OL | | |
| Rapidly biodegradable. | | |
| | | |
| N-BUTYL ACETATE | | |
| Solubility in water. | mg/l 1000 - 10000 | |
| | | |
| 12.3. Bioaccumulative potential. | | |
| | | |
| XYLENE (MIXTURE OF ISOMERS) | | |
| Partition coefficient: n- | 3,12 | |
| octanol/water. BCF. | 25,9 | |
| | | |
| 2-METHOXY-1- | | |
| METHYLETHYL ACETATE Partition coefficient: n- | 1,2 | |
| octanol/water. | | |
| TOLUENE | | |
| Partition coefficient: n- | 2,73 | |
| octanol/water. BCF. | 90 | |
| | 30 | |
| | | |
| | | |

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| 12.5. Results of PBT and vPvB as | sessment. | |
|---|-----------|--|
| Partition coefficient: soil/water. | < 3 | |
| N-BUTYL ACETATE | | |
| Partition coefficient: soil/water. | 0,388 | |
| BUTANOL | | |
| XYLENE (MIXTURE OF ISOMERS) Partition coefficient: soil/water. | 2,73 | |
| 12.4. Mobility in soil. | | |
| BCF. | 15,3 | |
| Partition coefficient: n- octanol/water. | 2,3 | |
| N-BUTYL ACETATE | | |
| Partition coefficient: n- octanol/water. | 0,05 | |
| PROPAN-2-OL | | |
| 4-HYDROXY-4- METHYLPENTAN-2-ONE Partition coefficient: n- octanol/water. | -0,09 | |
| Partition coefficient: n- octanol/water. | 0,81 | |
| 2-BUTOXYETHANOL | | |
| BCF. | 3,16 | |
| Partition coefficient: n- octanol/water. | 1 | |
| BUTANOL | | |
| Partition coefficient: n- octanol/water. | 3,6 | |
| ETHYLBENZENE | | |

12.6. Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

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| | |
| 13.1. Waste treatment methods. | |

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

14.1. UN number.

| ADR / RID, IMDG, | 1263 |
|------------------|------|
| IATA: | |

14.2. UN proper shipping name.

| ADR / RID: | PAINT or PAINT RELATED |
|------------|---------------------------|
| | MATERIAL |
| IMDG: | PAINT or PAINT |
| | RELATED |
| | MATERIAL |
| IATA: | PAINT or PAINT |
| | RELATED |
| | MATERIAL |

14.3. Transport hazard class(es).

| ADR / RID: | Class: 3 | Label: 3 |
|------------|----------|----------|
| IMDG: | Class: 3 | Label: 3 |
| IATA: | Class: 3 | Label: 3 |



14.4. Packing group.

| ADR / RID, IMDG, | Ш |
|------------------|---|
| IATA: | |

14.5. Environmental hazards.

| ADR / RID: | NO |
|------------|----|
| IMDG: | NO |
| IATA: | NO |

14.6. Special precautions for user.

ADR / RID:

HIN - Kemler: 33

Limited

Tunnel

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|---|---|--|---|
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| IMDG: IATA: | Special Provision: 640C EMS: F-E, <u>S-E</u> Cargo: Pass.: Special Instructions: rding to Annex II of Marpol and the IBC Code. | Quantities: 5 L Limited Quantities: 5 L Maximum quantity: 60 L Maximum quantity: 5 L A3, A72, A192 | Page n. 15/17 restriction code: (D/E) Packaging instructions: 364 Packaging instructions: 353 |
| nformation not relevant. SECTION 15. Regula | atory information. | | |
| - | vironmental regulations/legislation specific for the | substance or mixture. | |
| Seveso category. | None. | | |
| Restrictions relating to the proc | duct or contained substances pursuant to Annex XVII t | o EC Regulation 1907/2006. | |
| Product. Point. | 3 - 40 | | |
| Contained substance. | | | |
| Point. | 48 TOLUENE | | |
| | (Art. 59 REACH). | | |
| Substances in Candidate List (| · | | |
| | | | |
| None. | | | |
| None. Substances subject to authoris | | | |
| None. Substances subject to authoris None. | | | |
| None. <u>Substances subject to authoris</u> None. <u>Substances subject to exporta</u> | sarion (Annex XIV REACH). | | |
| None. <u>Substances subject to authoris</u> None. <u>Substances subject to exportat</u> None. | sarion (Annex XIV REACH). tion reporting pursuant to (EC) Reg. 649/2012: | | |
| None. Substances subject to authoris None. Substances subject to exportat None. Substances subject to the Rott | sarion (Annex XIV REACH). tion reporting pursuant to (EC) Reg. 649/2012: | | |
| None. <u>Substances subject to authoris</u> None. <u>Substances subject to exportat</u> None. <u>Substances subject to the Rott</u> None. | sarion (Annex XIV REACH). tion reporting pursuant to (EC) Reg. 649/2012: terdam Convention: | | |
| Substances in Candidate List (None. Substances subject to authoris None. Substances subject to exportat None. Substances subject to the Rott None. Substances subject to the Stoc None. | sarion (Annex XIV REACH). tion reporting pursuant to (EC) Reg. 649/2012: terdam Convention: | | |

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Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

| Flam. Liq. 2 | Flammable liquid, category 2 |
|---------------|--|
| Flam. Liq. 3 | Flammable liquid, category 3 |
| Repr. 2 | Reproductive toxicity, category 2 |
| Acute Tox. 4 | Acute toxicity, category 4 |
| Asp. Tox. 1 | Aspiration hazard, category 1 |
| STOT RE 2 | Specific target organ toxicity - repeated exposure, category 2 |
| Eye Dam. 1 | Serious eye damage, category 1 |
| Eye Irrit. 2 | Eye irritation, category 2 |
| Skin Irrit. 2 | Skin irritation, category 2 |
| STOT SE 3 | Specific target organ toxicity - single exposure, category 3 |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H361d | Suspected of damaging the unborn child. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H332 | Harmful if inhaled. |
| H304 | May be fatal if swallowed and enters airways. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| | |

LEGEND:

ADR: European Agreement concerning the carriage of Dangerous goods by Road

CAS NUMBER: Chemical Abstract Service Number CE50: Effective concentration (required to induce a 50% effect)

CE NUMBER: Identifier in ESIS (European archive of existing substances)

CLP: EC Regulation 1272/2008

DNEL: Derived No Effect Level

EmS: Emergency Schedule

GHS: Globally Harmonized System of classification and labeling of chemicals IATA DGR: International Air Transport Association Dangerous Goods Regulation

IC50: Immobilization Concentration 50%

IMDG: International Maritime Code for dangerous goods

IMO: International Maritime Organization

INDEX NUMBER: Identifier in Annex VI of CLP

Revision nr. 3 Talken Color Srl Dated 13/10/2015 Printed on 26/05/2017 **C0031 - TINTE RAL IN BARATTOLO** Page n. 17/17 LC50: Lethal Concentration 50% LD50: Lethal dose 50% OEL: Occupational Exposure Level PBT: Persistent bioaccumulative and toxic as REACH Regulation PEC: Predicted environmental Concentration PEL: Predicted exposure level PNEC: Predicted no effect concentration REACH: EC Regulation 1907/2006 RID: Regulation concerning the international transport of dangerous goods by train TLV: Threshold Limit Value TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure. TWA STEL: Short-term exposure limit TWA: Time-weighted average exposure limit VOC: Volatile organic Compounds vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation WGK: Water hazard classes (German). GENERAL BIBLIOGRAPHY 1. Regulation (EU) 1907/2006 (REACH) of the European Parliament 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament 4. Regulation (EU) 2015/830 of the European Parliament 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament - The Merck Index. - 10th Edition - Handling Chemical Safety INRS - Fiche Toxicologique (toxicological sheet) Patty - Industrial Hygiene and Toxicology N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition ECHA website Note for users: The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified:

02 / 03 / 09 / 10 / 11 / 12 / 14 / 15.