

BASE COAT
Ready Mix Paint
5100

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Product is a mixture. Health risk is assessed on the basis of the components.

Mixtures

Chemical characterization

Mixture from resins and solvents.

| CAS No. Index No | EINECS No. Reach No | Chemical name | Concentration % | Danger symbols | Classification |
|-----------------------------|-------------------------------|-------------------------------|-----------------|----------------|------------------------|
| 123-86-4; 607-025-00-1 | 204-658-1 01-2119485493-29 | N-butyl acetate | 30-40 | - | R 10-66-67 |
| 1330-20-7; 601-022-00-9 | 215-535-7 01-2119488216-32 | Xylene | <5 | Xn | R 10-20/21-38 |
| 64742-95-6; 649-356-00-4 | 265-199-0 - | Solvent naphtha (petroleum) | <10 | Xn, N | R 10-37-51/53-65-66-67 |
| 71-36-3; 603-004-00-6 | 200-751-6 - | n-Butanol | 1-5 | Xn | R 10-22-37/38-41-67 |
| 108-65-6; 607-195-00-7 | 203-603-9 - | 2-Metoxo-1-methylethylacetate | 1-5 | Xi | R 10-36 |
| 100-41-4; 601-023-00-4 | 202-849-4 01-2119489370-35 | Ethylbenzene | <1 | Xn, F | R 11-20 |
| 872-50-4; 606-021-00-7 | 212-828-1 - | N-Methyl-2-pyrrolidon | <1 | T | R 36/37/38-61 |

Additional information:

For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

Inhalation

Skin contact

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recongnised skin cleanser. Do not use solvents or thinners.

Eye contact

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open, seek medical advice.

Ingestion

If swallowed, seek medical advice immediately and show the container or label. Do not induce voming.

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Most important symptoms and effects, both acute and delayed See section 11

Indication of any immediate medical attention and special treatment needed In case of unconsciousness place patient stably and call for medical help.

5. FIREFIGHTING MEASURES

Extinguishing media
Suitable extinguishing media Alcohol-resistant foam, carbon dioxide, powders, water spray.
Unsuitable extinguishing media Do not use water jet.

Special hazards arising from the substance or mixture
Hazardous thermal decomposition products Decomposition products may include carbon monoxide, carbon dioxide, oxides of nitrogen.

Advice for firefighters
Special protective equipment Appropriate breathing apparatus may be required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions , protective equipment and emergency procedures Exclude sources of ignition. The area need to be ventilated sufficiently. Avoid breathing vapour or mist. Refer to protective measures in sections 8.

Environmental precautions Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Methods and material for containment and cleaning up 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 (see section 13).

Reference to other sections See section 7 and 8.

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7. HANDLING AND STORAGE

Precaution for safe handling

Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation.

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. Put on appropriate personal protective equipment (see section 8). Comply with the health and safety at work laws.

Keep away from heat, sparks and flame. No sparking tools should be used.

To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

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 process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

Store in accordance with local regulations. Keep away from sources of ignition - no smoking. Store in a cool, well-ventilated area.

Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not empty into drains.

Keep away from oxidising agents, strong alkalis, strong acids.

N/a

**Conditions for safe storage,
including any incompatibilities**

Specific end use(s)

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

| Name ingredient | CAS No. | Type | Limit values | |
|--------------------------------|-----------|------|-------------------------|-------------------|
| | | | ml/m ³ (ppm) | mg/m ³ |
| n-Butyl acetate | 123-86-4 | EU-L | 100 | 480 |
| Xylene | 1330-20-7 | EU-L | 50 | 220 |
| | | EU-S | 100 | 441 |
| Ethylbenzene | 100-41-4 | EU-L | 100 | 441 |
| | | EU-S | 125 | 552 |
| n-Butanol | 71-36-3 | EU-L | 15 | 45 |
| | | EU-S | - | - |
| 2-Methoxy-1-methylethylacetate | 108-65-6 | EU-L | 50 | 275 |
| | | EU-S | 100 | 550 |
| N-Methyl-2-pyrrolidon | 872-50-4 | EU-L | 50 | 75 |
| | | EU-S | 200 | 300 |

Exposure controls

Engineering measures

Provide adequate ventilation. Where reasonable practice, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory equipment must be worn.

Personal protective equipment

Respiratory system

If workers are exposed to concentrations above the exposure limits, it is needed to wear a suitable certified respiratory system.

Dry sanding, flame cutting and/or welding of the dry paint film, can cause harmful vapours. Wet sanding should be used when possible. If exposure cannot be avoided by the provision of local exhaust ventilations, suitable respiratory equipment should be worn.

Hands

Use suitable protective gloves (EN374). Type: nitrile. Barrier creams may help to protect the exposed skin. They should not be applied once exposure has occurred.

Eyes

Use safety eyewear (EN166) against splash of liquids.

Skin and body

Workers need to wear antistatic clothes of a natural fibre or from a high-temperature resistant synthetic fibre.

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Environmental exposure controls

Do not allow to enter drains of watercourses. See also section 7 and section 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|--|----------------------------------|
| Physiscal state | Liquid |
| Colour | White and all according RAL, NCS |
| Smell | Specific |
| pH-value | n.d.a. |
| Boiling point | n.d.a. |
| Freezing point | n.d.a. |
| Ignation temperature | n.d.a. |
| Vapour pressure | n.d.a. |
| Flashpoint | >+23°C |
| Relative density, g/cm ³ (20°C) | 0.95± 5% (depends from color) |
| Viscosity, s | 85+/-15% |

Other information

No additional information

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | No data |
| Chemical stability | Stable under recommended storage and handling conditions (see section 7). |
| Possibility of hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | Avoid high temperatures. |
| Incompatible materials | Keep away from the following materials to prevent strong exothermic reactions: oxydising agents, strong alkalis, strong acids |
| Hazardous decomposition products | Carbon monoxide, carbon dioxide, oxides of nitrogen. |

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45//EC and classified for toxicological hazards accordingly. See section 3 and 15 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory systems irritation and adverse effects on the kidneys., liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage.

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Acute toxicity

Xylene

| | |
|------------------------|----------------|
| LD50 (oral, rat) | 4300 mg/kg |
| LC50 (inhalation, rat) | 47635 mg/l/6hr |
| LD50 (dermal, rabbit) | >4350 mg/kg |

n-Butylacetate

| | |
|------------------------|--------------|
| LD50(oral, rat) | 3100 mg/kg |
| LC50 (inhalation, rat) | >21 mg/l/4hr |
| LC50(dermal, rabbit) | >17600 mg/kg |

Ethylbenzene

| | |
|-----------------------|---------------|
| LC50(inhalation, rat) | 17,2 mg/l/ 4h |
| LD50(dermal, rabbit) | >20000 mg/kg |
| LD50(oral, rat) | 5460 mg/kg |

Solvent naphtha (petroleum), light arom.

| | |
|-----------------------|---------------|
| LD50(oral, rat) | >3500 mg/kg |
| LC50(inhalation, rat) | 28,1 mg/l/4hr |
| LD50(dermal, rabbit) | >2000 mg/kg |

n-Butanol

| | |
|-----------------------|----------------|
| LC50(inhalation, rat) | 17,76 mg/l/ 4h |
| LD50(dermal, rabbit) | 5300 mg/kg |
| LD50(oral, rat) | 790 mg/kg |

2-Metoxy-1-methylethylacetate

| | |
|-----------------|--------------|
| LD50(oral, rat) | >10000 mg/kg |
|-----------------|--------------|

N-Methyl-2-pyrrolidon

| | |
|-----------------------|------------------|
| LC50(inhalation, rat) | 3,1-8,8 mg/l/ 4h |
| LD50(dermal, rabbit) | 2000-8000 mg/kg |
| LD50(oral, rat) | 3598 mg/kg |

Carcinogenicity

n.d.a.

Mutagenicity

n.d.a.

12. ECOLOGICAL INFORMATION

There is no data available on the preparation itself. The product has been evaluated according the conventional method of Directive 1999/45/EG. See section 3 and 15 for details.

Do not allow to enter drains or watercourses.

Toxicity

Xylene

| | |
|-----------------------|-----------------|
| LC50 (Leuciscus idus) | 86-308 mg/l/48h |
| EC50 (Daphnia magna) | 150 mg/l/24h |

n-Butyl acetate

| | |
|-----------------------|-----------------|
| LC50 (Leuciscus idus) | 71-141 mg/l/48h |
| EC50 (Daphnia magna) | 73 mg/l/24h |
| EC50 (Ps. Putida) | 959 mg/l/18h |

Ethylbenzene

| | |
|-----------------------|--------------|
| LC50 (Leuciscus idus) | 44 mg/l/ 48 |
| EC50 (Daphnia magna) | 77 mg/l/ 24h |

Solvent naphtha (petroleum), light arom.

| | |
|-----------------------|-------------------|
| LC50 (Leuciscus idus) | 320-435 mg/l/48hr |
| EC50 (daphnia magna) | 170 mg/l/24hr |

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| | |
|---|---------------------|
| n-Butanol | |
| LC50 (Leuciscus idus) | 1200-1770 mg/l/ 48h |
| EC50 (Daphnia magna) | 6,14 mg/l/ 48h |
| N-Methyl-2-pyrrolidon | |
| LC50 (Leuciscus idus) | 4000 mg/l/ 96h |
| EC50 (daphnia magna) | 4897 mg/l/ 48h |
| 2-Metoxy-1-methylethylacetate | |
| EC50 (Daphnia magna) | 500 mg/l/ 48h |
| Persistence and degradability | n.d.a. |
| Bioaccumulative potential | n.d.a. |
| Mobility in soil | n.d.a. |
| Results of PBT and vPvB assessment | n.d.a. |
| Other adverse effects | n.d.a. |

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-----------------|---|
| Disposal method | Dispose in accordance to all federal, state and local applicable regulations. Do not allow to enter drains or watercourses. |
| Hazardous waste | The classification of the product may meet the criteria for a hazardous waste. |

14. TRANSPORT INFORMATION

| | |
|-------------------------------------|------------------|
| UN number | |
| ADR/RID; IMDG; ICAO/IATA | 1263 |
| UN proper shipping name | |
| ADR/RID; IMDG; ICAO/IATA | Paint |
| Transport hazard class(es) | |
| ADR/RID; IMDG; ICAO/IATA | 3 |
| Special provisions | |
| ADR/RID | 640E |
| Hazard identification number | 30 |
| Packing group | |
| ADR/RID; IMDG; ICAO/IATA | III |
| Environmental hazards | |
| ADR/RID; IMDG; ICAO/IATA | No |
| Special precautions for user | See section 6-8. |

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Directive 1999/45/EC.

The information in this safetydatasheet is prepared in accordance with EU Regulation 1907/2006/EU, annex II.

| | |
|--|-------|
| Safety, health and environmental regulations/legislations specific for the substance or mixturw | n.d.a |
|--|-------|

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Chemical safety assessment

n.d.a.

16. OTHER INFORMATION

Restricted to professional users.

The information in this safetydatasheet is prepared in accordance with EU Regulation 1907/2006/EU, annex II.

The information in this safetydatasheet does not relieve users from the obligation to carry out their own risk assessments according to Directive 98/24/EG.

Full tekst of R-phrases, and hazard symbols for components listed in section 3:

| | |
|-------------|--|
| Xi | Irritating. |
| Xn | Harmful. |
| N | Dangerous for the environment. |
| F | Flammable. |
| T | Toxic. |
| R10 | Flammable. |
| R11 | Highly flammable. |
| R20 | Harmful by inhalation. |
| R20/21 | Harmful by inhalation and in contact with skin. |
| R22 | Harmful if swallowed. |
| R36 | Irritating to eyes. |
| R36/37/38 | Irritating to eyes, respiratory system and skin. |
| R37 | Irritating to respiratory system. |
| R37/38 | Irritating respiratory system and skin. |
| R38 | Irritating to skin. |
| R41 | Risk of serious damage to eyes. |
| 51/53 | Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. |
| R61 | May cause harm to the unborn child. |
| R65 | Harmful, may cause lung damage if swallowed. |
| R66 | Repeated exposure may cause a dry or cracked skin. |
| R67 | Vapours can cause drowsiness or dizziness. |
| EU-L | Indicative occupational exposure limit value according to Directive 98/24/EC - 8 hour (grenswaarde - lang) |
| EU-S | Indicative occupational exposure limit value according to Directive 98/24/EC - short term (grenswaarde - kort) |
| TWA | Time Weight Average |

The information in this safety data sheet is based on our current knowledge and on current EU- and national laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this safety data sheet is meant to be a description of the safety requirements of the product. It is not be considered as a guarantee of the product's properties.