



1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: #ALTROTECT COLOURED + V HARDENER
Product code: TT5H
Synonyms: HARDENER G
Company name: Altro Resins
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2. HAZARDS IDENTIFICATION

Main hazards: Harmful by inhalation, in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility. Possible risk of harm to the unborn child.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: BENZYL ALCOHOL 30-50%
EINECS: 202-859-9 CAS: 100-51-6
[Xn] R20/22

- 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL 1-10%
EINECS: 202-013-9 CAS: 90-72-2
[Xn] R22; [Xi] R36/38
- NONYLPHENOL 10-30%
EINECS: 246-672-0 CAS: 25154-52-3
[Xn] R62; [Xn] R63; [Xn] R22; [C] R34; [N] R50/53
- KEROSENE - UNSPECIFIED - DISTILLATES (PETROLEUM),
HYDROTREATED LIGHT 1-10%
EINECS: 265-149-8 CAS: 64742-47-8
[Xn] R65; [N] R51/53
- 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE 30-50%
EINECS: 220-666-8 CAS: 2855-13-2
[Xn] R21/22; [C] R34; [Sens.] R43; [-] R52/53

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: An itchy rash may occur at the site of contact.
Eye contact: There may be irritation and pain.
Ingestion: There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion: Wash out mouth with water. Transfer to hospital as soon as possible.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Dry chemical powder. Alcohol resistant foam. Carbon dioxide. Water spray.
Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.
Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

- Handling requirements:** Ensure there is sufficient ventilation of the area.
- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.
- Suitable packaging:** Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures:** Ensure there is sufficient ventilation of the area.
- Hand protection:** Protective gloves.
- Eye protection:** Tightly fitting safety goggles.
- Skin protection:** Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Yellow-brown
- Odour:** Perceptible odour
- Evaporation rate:** Slow
- Oxidising:** Non-oxidising (by EC criteria)

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Direct sunlight. Heat.
- Materials to avoid:** Strong acids. Strong bases. Strong oxidising agents.
- Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide. In combustion emits toxic fumes of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients:** BENZYL ALCOHOL
IVN RAT LD50 53 mg/kg
ORL MUS LD50 1360 mg/kg
ORL RAT LD50 1230 mg/kg
- 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL
ORL RAT LD50 1200 mg/kg
SKN RAT LD50 1280 mg/kg
 - NONYLPHENOL
ORL MUS LD50 1231 mg/kg
ORL RAT LD50 580 mg/kg
- Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

- Mobility:** Soluble in water.
- Persistence and degradability:** No data available.
- Bioaccumulative potential:** No data available.
- Other adverse effects:** Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

- Disposal operations:** Cured Material may be disposed of as plastic waste, uncured material and containers must be disposed of in accordance to local council regulations.
- Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
- NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 3267

ADR Class: 8

Packing group: III
Shipping name: Corrosive Liquid, Basic Organic Liquid

IMDG / IMO

UN no: 3267 **Class:** 8
Packing group: III **Marine pollutant:** Yes

IATA / ICAO

UN no: 3267 **Class:** 8

15. REGULATORY INFORMATION

Hazard symbols: Dangerous for the environment.
Corrosive.



Risk phrases: R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R34: Causes burns.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62: Possible risk of impaired fertility.
R63: Possible risk of harm to the unborn child.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

Risk phrases used in s.3: R20/22: Harmful by inhalation and if swallowed.
R22: Harmful if swallowed.
R36/38: Irritating to eyes and skin.
R62: Possible risk of impaired fertility.
R63: Possible risk of harm to the unborn child.
R34: Causes burns.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R21/22: Harmful in contact with skin and if swallowed.
R43: May cause sensitisation by skin contact.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.