



1. Identification of the substance / preparation and of the company / undertaking

Product description: Cold Cure Fibre Optic Bonding Activator

Part number: 202-080

Company name: Excel

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2. Composition / information on ingredients

Hazardous ingredients:

HEPTANE 70-90%

EINECS: 205-563-8 CAS: 142-82-5

[F] R11; [Xi] R38; [N] R50/53; [Xn] R65; [-] R67

ACETONE 10-30%

EINECS: 200-662-2 CAS: 67-64-1

[F] R11; [Xi] R36; [Xi] R66; [-] R67

3. Hazards Identification

Main hazards:

Highly flammable. Irritating to skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

Other hazards:

In use, may form flammable / explosive vapour-air mixture.

4. First aid measures (symptoms)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

5. First aid measures (action)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

6. Fire-fighting measures

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

7. Accidental release measures

Personal precautions: Refer to section 9 of MSDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. 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. Do not use equipment in clean-up procedure which may produce sparks.

8. Handling and storage

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

Storage requirements: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

9. Exposure controls / personal protection

Hazardous ingredients: ACETONE

TWA (8 hr exposure limit): 1210 mg/m³ STEL (15 min exposure limit): 3620 mg/m³ (OES)

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

10. Physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Barely perceptible odour

Boiling point/range °C: 56-57

Melting point/range °C: n/a

Flammability limits %: lower: 2.5

Upper: 12.8

Flash point °C: -17

Auto flammability °C: 465

Vapour pressure: 185 mm

Relative density: 0.79 g/cc

pH: n/a

11. Stability and reactivity

Stability: Stable under normal conditions. Stable at room temperature.

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

12. Toxicological information

Hazardous ingredients:

HEPTANE

IVN MUS LD50 222 mg/kg

ACETONE

IVN RAT LD50 5500 mg/kg

ORL MUS LD50 3 gm/kg

ORL RAT LD50 5800 mg/kg

Routes of exposure: Refer to section 4 of MSDS for routes of exposure and corresponding symptoms.

13. Ecological information

Mobility: Readily absorbed into soil.

Persistence and degradability: Biodegradable

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Negligible ecotoxicity.

14. Disposal considerations

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

15. Transport information

ADR / RID

UN no: 1206
Packing group: ii
Shipping name: heptanes
Labelling: 3



ADR Class: 3(F1)

IMDG / IMO

UN no: 1206
Packing group: ii
Marine pollutant: No
Class: 3
EmS: F-E, S-D
Labelling: 3

IATA / ICAO

UN no: 1206
Packing group: ii
Labelling: 3
Class: 3

16. Regulatory information

Hazard symbols:
Highly flammable.
Dangerous for the environment.
Harmful.



Risk phrases:

R11: Highly flammable.
R38: Irritating to skin.
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.
R67: Vapours may cause drowsiness and dizziness.

Safety phrases: 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.

17. Other information

Other information:

THIS DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH EUROPEAN DIRECTIVE 2001/59/CE (28 ATP) [UK CHIPS 3] EFFECTIVE FROM JULY 2002

Risk phrases used in s.2:

R:11: Highly flammable
R38: Irritating to skin.
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.
R67: Vapours may cause drowsiness and dizziness.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.

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.

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