

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE & OF THE COMPANY UNDERTAKING

Identification of the substance: Mitre Mate Activator
Purpose of use: Bonding aid for use with Mitre Mate cyanoacrylate adhesive

Manufacturing Info: CONSTRUCTION CHEMICALS UK LTD
75 TOWN GREEN ST
ROTHLEY
LEICESTER
LE7 7NW

Telephone: 0116 230 1955

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	CAS No:	% by weight
Isopropanol (propan-2-ol)	67-63-0	50-90
Propane	74-98-6	5-20
Isobutane	75-28-5	2-10
Butane	106-97-8	5-20

3. HAZARDS IDENTIFICATION

Hazard identification: F+, R12: Extremely flammable
Xi: irritant
R36 Irritating to eyes
R67 Vapours may cause drowsiness and dizziness

Further information: Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material

4. FIRST AID MEASURES

Inhalation: Remove subject to fresh air. Perform artificial respiration if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention

Eye contact: Flush eye immediately with copious quantities of water for at least 15 minutes-assure adequate flushing by separating the eyelids with clean fingers. If irritation persists, seek medical attention

Skin contact: Wash the skin thoroughly with soap and water. If irritation persists, seek medical attention

Ingestion: Do not induce vomiting. Give water to drink. Seek prompt medical attention. Provide the subject with rest, warmth and fresh air

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Dry powder, foam, carbon dioxide, water spray, sand

Particular danger from combustion: Aerosol cans may explode in a fire (or if heated). Use water spray to cool cans close to any fire. CO and/or CO2 may be produced during a fire

Special protective equipment: For large quantities, self-contained breathing apparatus and protective clothing

6. ACCIDENTAL RELEASE MEASURES

Personal precautionary measures: Refer to section 8 ó personal protection. Eliminate all sources of ignition and heat. For large spills, evacuate the area and ensure good ventilation if possible do not breathe vapour/spray. Wear self contained breathing apparatus if necessary. Wear suitable protective clothing

Environmental protection measures: Do not allow material to enter drains or watercourses

Procedure for cleaning/absorption: Contain spillage with sand or other inert absorbent material, sweep up into a closed container and dispose of by incineration in suitable chamber

7. HANDLING AND STORAGE

Handling: Eliminate all sources of ignition including static discharge and heat ó no smoking- Do not spray on a naked flame or any incandescent material Ensure good ventilation ó do not breathe vapour/spray. Wear safety goggles Gloves are advisable. If handling large quantities, wear suitable protective clothing

Storage: Store upright in a cool, dry, well ventilated place out of direct sunlight. Pressurised containers: do not expose to temperatures exceeding 50 C. Do not pierce or burn even after use

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits: OES for isopropanol of 400ppm (8hr, TWA) is recommended; STEL is 500ppm (15 mins)

Personal protection measures -

Skin protection: Ensure good ventilation ó Local Exhaust Ventilation may be required especially in confined spaces, to maintain vapour concentration below TLV. Self-contained breathing apparatus may be required in extreme cases
Eye protection: Wear safety glasses/goggles
Other information: Ensure water for eye-washing is available. Wash hands after use

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Aerosol which emits a clear spray
Odour: Light, characteristic of rubbing alcohol
PH:
Boiling point/
boiling point range:
Flashpoint (°C): -40 C
Flammability:
Explosive limits: lower: 1.8 upper: 12.7
Auto ignition temps: 410 C
Relative vapour density: 2.7 (air =1)
Vapour pressure: (mmKg @ 20C) 33.0
Evaporation rate (DEE=1) 2.8
Solubility in water: Slightly soluble
Additional information: Soluble in alcohols, ether

10. STABILITY AND REACTIVITY

Conditions to be avoided: Flames, sources of ignition and heat
Substances to be avoided: Strong oxidising agents, alkalis and mineral acids
Hazardous products of combustion
Or decomposition: CO, CO2 and trace amounts of oxides of nitrogen
Product is very stable under normal conditions

11. TOXICOLOGICAL INFORMATION

Toxicity: Oral LD50 ó rat: 5840mg/kg
Inhalation -
Skin -
Other -

Acute effects: Irritating to eyes, vapours may cause drowsiness and dizziness. Prolonged over-exposure to vapours may irritate respiratory system. Vapours may cause CNS depression, nausea, sickness and headaches
Other info: Prolonged and repeated contact can lead to drying and defatting of the skin

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL RECOMMENDATIONS

Product: Pressurised container: Do not pierce or burn, even after use. Dispose of according to national and local regulations
Contaminated packaging: As above

14. TRANSPORT INFORMATION

UN No 1950
IATA Class 2.1
MDG No 2102; Class 2, EmS No 2-13; MFAG Tab No 620; Not a marine pollutant
ADR/RID Class 2.1, Item 5°F, Marginal No 2201
Proper shipping name: Aerosols, flammable, nos (contains LPG)

15. REGULATORY INFORMATION

Symbols for supply and indication of danger: EXTREMELY FLAMMABLE, IRRITANT

Risk phrases: R12 Extremely flammable
R36 Irritating to eyes
R67 Vapours may cause drowsiness and dizziness

Safety phrases: S 2 Keep out of the reach of children
S16 Keep away from sources of ignition ó no smoking
S23 Do not breathe vapour/spray
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S51 Use only in well ventilated areas

16. OTHER INFORMATION

The data presented in this sheet corresponds to the present level of our knowledge and experience and is intended to describe our product with respect to possible safety demands. We imply with this however no guarantee of properties or description of qualities. It remains the customers responsibility to ensure safe working practices. Attention is drawn to the possible hazards from improper use of this product.