

SAFETY DATA SHEET
FLUX REMOVER 0202

BLT CIRCUIT SERVICES LTD
Brome Industrial Estate
Brome, Eye, Suffolk
IP23 7HN, England
Tel: +44 (0) 1379 870870
Fax: +44 (0) 1379 870970
e-mail: sales@blt.keme.co.uk
www.bltcircuitservices.co.uk

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

Product name: FLUX REMOVER

Product code: 4433

Use / description of product: Aerosol. Highly flammable. Irritant.

Company name:

BLT Circuit Services Ltd
Brome Industrial Estate
Brome
Eye
Suffolk
IP23 7HN
England

Tel; 01379 870870

Fax; 01379 870970

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients: PROPAN-2-OL 50-80%.

CAS: 67-63-0

EINECS: 200-661-7

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

• TETRAHYDROFURAN 10-30%

CAS: 109-99-9

EINECS: 203-726-8

[F] R11; [-] R19; [Xi] R36/37;

• ACETONE 10-30%

CAS: 67-64-1

EINECS: 200-662-2

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

• PROPYL ACETATE 1-10%

CAS: 109-60-4

EINECS: 203-686-1

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

• ETHANOL 1-10%

CAS: 64-17-5

EINECS: 200-578-6

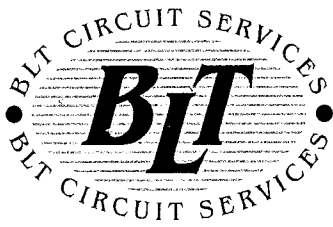
[F] R11;

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

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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.

Ingestion: Nausea and stomach pain may occur. There may be vomiting. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

Inhalation: Nausea and stomach pain may occur. There may be vomiting. Drowsiness or mental confusion may occur. There may be loss of consciousness.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide.

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

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: Eliminate all sources of ignition. 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.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

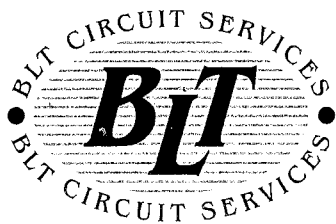
Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Smoking is forbidden. Use non-sparking tools.

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Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients: PROPAN-2-OL

TWA (8 hr exposure limit): 999 mg/m³ STEL (15 min exposure limit): 1250 mg/m³

• TETRAHYDROFURAN

TWA (8 hr exposure limit): 300 mg/m³ STEL (15 min exposure limit): 599 mg/m³

• ACETONE

TWA (8 hr exposure limit): 1810 mg/m³ STEL (15 min exposure limit): 3620 mg/m³

• PROPYL ACETATE

TWA (8 hr exposure limit): 849 mg/m³ STEL (15 min exposure limit): 1060 mg/m³

• ETHANOL

TWA (8 hr exposure limit): 1920 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area.

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

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: Colourless

Odour: Pungent

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Slightly soluble

Flash point°C: 3

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Sources of ignition.

Materials to avoid: Oxidising agents.

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Ingredients: PROPAN-2-OL

ORL RAT LD50 5045 mg/kg

• TETRAHYDROFURAN

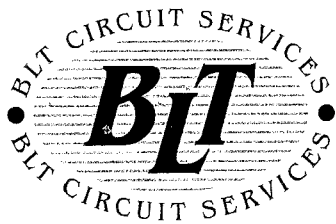
ORL RAT LD50 1650 mg/kg

• ACETONE

ORL RAT LD50 5800 mg/kg

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- ETHANOL
ORL RAT LD50 7060 mg/kg

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.
Persistence and degradability: Biodegradable in part only.
Bioaccumulative potential: No data available.
Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

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: 1950 **ADR Class:** 2
Labelling: 2.1
Shipping name: AEROSOLS

IMDG / IMO

UN no: 1950 **Class:** 2
EmS: 2-13 **Marine pollutant:** .
Labelling: 2.1

IATA / ICAO

UN no: 1950 **Class:** 2
Labelling: 2.1

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Irritant.

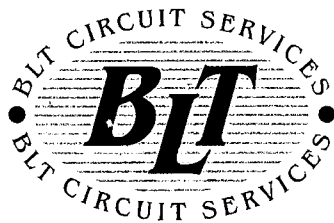


Risk phrases: R11: Highly flammable.
R36: Irritating to eyes.
R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe aerosol.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39: Wear eye / face protection.
S51: Use only in well-ventilated areas.

[cont...]

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Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

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. ADDITIONAL INFORMATION

Risk phrases used in s.2: R11: Highly flammable.
R36: Irritating to eyes.
R67: Vapours may cause drowsiness and dizziness.
R19: May form explosive peroxides.
R36/37: Irritating to eyes and respiratory system.
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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