

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

Product name: DUAL FUEL HYPER CLEAN

Use / description of product: Extremely flammable. Harmful. Liquid.

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2. COMPOSITION / INFORMATION ON INGREDIENTS

- Ingredients:** TOLUENE 30-50%
CAS: 108-88-3 EINECS: 203-625-9 [F] R11; [Xn] R20;
- XYLENE 30-50%
CAS: 1330-20-7 EINECS: 215-535-7 [-] R10; [Xn] R20/21; [Xi] R38;
 - ACETONE 10-30%
CAS: 67-64-1 EINECS: 200-662-2 [F] R11; [Xi] R36; [Xi] R66; [-] R67;

3. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable. Harmful by inhalation. Irritating to eyes. Repeated exposure may cause skin dryness or cracking.

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. Corneal burns may occur.

Ingestion: Nausea and stomach pain may occur. There may be vomiting. There may be loss of consciousness. Convulsions may occur.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Convulsions may occur.

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.

SAFETY DATA SHEET

DUAL FUEL HYPER CLEAN

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. Alcohol or polymer foam. Dry chemical powder.

Exposure hazards: Extremely 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. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

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

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients: TOLUENE TWA (8 hr exposure limit): 191 mg/m³ STEL (15 min exposure limit): 574 mg/m³

• XYLENE TWA (8 hr exposure limit): 441 mg/m³ STEL (15 min exposure limit): 662 mg/m³

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

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 goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Blue
Odour: Characteristic odour
Evaporation rate: Moderate
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Slightly soluble
Flash point°C: -6

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: TOLUENE
ORL PGN LD50 636 mg/kg
• ACETONE
ORL RAT LD50 5800 mg/kg

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.
Persistence and degradability: Biodegradable in part only.
Bioaccumulative potential: 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: 1993 **ADR Class:** 3
Hazard ID no: 30 **Labelling:** 3
Shipping name: FLAMMABLE LIQUID, N.O.S.

IMDG / IMO

UN no: 1993 **Class:** 3
Packing group: III **EmS:** F-E,S-E
Marine pollutant: . **Labelling:** 3

IATA / ICAO

UN no: 1993 **Class:** 3
Packing group: III **Packing instructions:** 310
Quantity: 220 L
Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Extremely flammable.
Harmful.



Risk phrases: R12: Extremely flammable.
R20/21/25: Harmful by inhalation, contact with skin and if swallowed.
R38: Irritating to skin.

Safety phrases: S1/2: Keep locked up and out of the reach of children.
S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe vapour
S24: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29: Do not empty into drains.
S36/37: Wear suitable protective clothing and gloves.
S39: Wear eye / face protection.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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.
R20: Harmful by inhalation.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

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.