

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

Product Name : Fuelklenz
 Product Code : RF 712
 Use/Description of Product : Balanced oil solvent for the internal cleaning of combustion chambers and fuel lines.
 Company Name : Rotec Industries
 Unit 3a, Broad Oak
 Redbrook Maelor
 Whitchurch
 Shropshire
 SY13 3AQ
 Telephone : 01948 780 111
 Fax : 01948 780 115
 Emergency Telephone No : 01948 780111/ 07768 271691

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Substance Name	EINECS No.	CAS No.	% Conc Range	Hazard Symbols	Risk Phrases
XYLENE	215-535-7	1330-20-7	10 - 30	-,Xn,Xi	10,20/21,38
KEROSINE –Unspecified distillates (Petroleum), hydrotreated light	265-149-8	64742-47-8	10 - 30	Xn,N	65,51/53
ACETONE	200-662-2	67-64-1	10 - 30	F,Xi,-	11,36,66,67
PROPAN-2-OL	200-661-7	67-63-0	10 - 30	F,Xi, -	11,36,67
SURFACTANT 3			01 - 10	Xn,Xi,N	22,41,53

3. HAZARD IDENTIFICATION

Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and skin. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated expose may cause skin dryness or cracking.

4. FIRST AID MEASURES (SYMPTOMS) part 1

Skin Contact : There may be mild irritation at the site of contact.
 Eye Contact : There may be irritation and/or redness. Corneas 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 (ACTIONS) part 2

General

In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

Skin Contact

Remove contaminated clothing and footwear immediately unless stuck to the 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 eye with running water for at least 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 correct, 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 correct, place in the recovery position. If conscious, ensure the casualty sits or lies down 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	:	In combustion emits toxic fumes.
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	:	Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent escape of liquids.
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.
Storage Conditions	:	Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients

Substance Name	Occupational Exposure Limit				Notation
	15 min WEL		8 hr WEL		
	ppm	Mg/m3	ppm	Mg/m3	
XYLENE		662.00		441.00	
ACETONE		3620.00		1810.00	
PROPAN-2-OL		1250.00		999.00	
ETHANOL				1920.00	

General Engineering Measures	:	Ensure 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. Ensure safety shower is to hand.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Liquid
Colour	:	Green
Odour	:	Aromatic
Evaporation Rate	:	Moderate
Solubility in Water	:	Insoluble
Flash Point C	:	21 deg c

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	:	ACETONE ORL RAT LD50 5800mg/kg Propanol-2-OL ORL RAT LD50 5045mg/kg ETHANOL ORL RAT LD50 7060mg/kg
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12. ECOLOGICAL INFORMATION

Mobility	:	Insoluble in water
Persistence and degradability	:	Biodegradable in part only
Bioaccumulative potential	:	No data available
Other adverse effects	:	Harmful to aquatic organisms.

13. DISPOSAL INFORMATION

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

14. TRANSPORT INFORMATION

Road/Rail	:UN No.....1993	Packing Group....III	
	Class.....3	Designation.....	Flammable
Sea	:Packing Grp. <= 30 lts.....III	Packing Grp. > 30 lts.....III	Class.....3
	Marine Pollutant.....Yes	UN No.....1992	
	EMS.....3 - 03	MFAG.....	
	Main Risk.....FLAMMABLE	IMDGM PG 3232	MARINE POLLUTANT
	Shipping Name.....	Flammable, Harmful Liquid.	
Air	:Packing grp. <= 30 lts.....III	Packing Grp. > 30 lts.....III	Class.....3.
	UN Number.....1992	Main Risk.....	Flammable, Harmful, Marine Pollutant
International	:Item Number.....		Class.....
	3Road/Rail	Main Risk.....FLAMMABLE	UN Number.....1992
	Sub Risk : Harmful		
	Shipping Name.....	Flammable, Harmful Liquid.	

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information & Packaging) Regulations as follows:



Classifications	:	Xn – HARMFUL F – HIGHLY FLAMMABLE MARINE POLLUTANT
Contains	:	XYLENE MIXTURE OF ISOMERS
Risk Phrases	:	10 Flammable 20/21 Harmful by inhalation and in contact with skin. 65 Harmful, may cause lung damage if swallowed. 66 Repeated exposure may cause skin dryness or cracking
Safety Phrases	:	23 Do not breath vapour. 26 In case of contact with eyes, rinse immediately with plenty of water Seek medical advice. 36/37 Wear suitable protective clothing and gloves 45 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 Listed in Section 2

R 10	Flammable
R11	Highly Flammable
R20/21	Harmful by inhalation and In contact with skin
R38	Irritating to skin
R 36	Irritating to the eyes
R51/53	Toxic to aquatic organisms
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking
R 67	Vapours may cause drowsiness and dizziness.
R42	Risk of serious damage to eyes.
R23/24/25	Toxic by inhalation, in contact with skin if swallowed
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
R22	Harmful if swallowed

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.