SAFETY DATA SHEET

PROPAN-2-OL

Issued: 01/01/2002 Revision No: 1

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING			
Product name:	PROPAN-2-OL		
CAS number:	67-63-0		
EINECS number:	200-661-7		
Index number:	603-117-00-0		
Synonyms:	ISOPROPANOL		
	ISOPROPYL ALCOHOL		
2. COMPOSITION / INFORMATION ON INGREDIENTS			
Ingredient 1:	PROPAN-2-OL 100%		
3. HAZARDS IDENTIFICATION			
Main hazards:	Highly flammable. Irritating to eyes. 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 mild irritation at the site of contact.		
Eye contact:	There may be irritation and redness.		
Ingestion:	There may be confusion, aggressive behaviour, slurred speech and staggering walk.		
	Severe poisoning can cause unconsciousness and severe and persistent nausea and		
	vomiting. Convulsions may occur.		
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Absorption		
	through the lungs can occur causing symptoms similar to those of ingestion.		
4. FIRST AID MEASURES (A	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.		

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Innalation:	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 MEASUR			
Extinguishing media:	Carbon dioxide. Alcohol resistant foam.		
Exposure hazards:	Highly flammable. Vapour may travel considerable distance to source of ignition and		
	flash back. Forms explosive air-vapour mixture. In combustion emits toxic fumes of		
	carbon dioxide and carbon monoxide.		
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.		
Environmental precautions:	Contain the spillage using bunding.		
Clean-up procedures:	Mix with sand or vermiculite. If inside, transfer outside of building in suitable containers.		
	For small spills, absorb on to paper and allow to evaporate in a fume cupboard. Wash		
	the spillage site with large amounts of water.		
7. HANDLING AND STORAGE			
Handling requirements:	Ensure there is sufficient ventilation of the area. Avoid direct contact with the		
	substance. Smoking is forbidden.		
Storage conditions:	Store in cool, well ventilated area. Keep away from sources of ignition. Keep container		
	tightly closed. Ensure lighting and electrical equipment are not a source of ignition.		
8. EXPOSURE CONTROLS / PERSONAL PROTECTION			
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. Ensure eye bath is to hand.		
Skin protection:	Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure		
	safety shower is to hand.		
TWA (8 hr exposure limit):	999 mg/m3		
STEL (15 min exposure limit):	1250 mg/m3		
9. PHYSICAL AND CHEMICAL PROPERTIES			
State:	Liquid		
Colour:	Colourless		
Odour:	Pleasant		

- Viscosity: Non-viscous
- **Oxidising:** Non-oxidising (by EC criteria)

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Evaporation rate:		
Solubility in water:		
	Most organic solvents.	
Boiling point/range°C:		
Flammability limits %: lower:	2	
upper:	12	
Flash point°C:	12	
Autoflammability°C:	399	
Relative density:	0.8	
10. STABILITY AND REACTIVITY		
Stability:	Stable under normal conditions.	
Conditions to avoid:	Sources of ignition. Flames.	
Materials to avoid:	Oxidising agents.	
Haz. decomp. products:	In combustion emits toxic fumes of carbon dioxide and carbon monoxide.	
11. TOXICOLOGICAL INFORMATION		
Toxicity:	PROPAN-2-OL	
	IVN RAT LD50 1088mg/kg	
	ORL MUS LD50 3600mg/kg	
	ORL RAT LD50 5045mg/kg	
	SCU MUS LDLO 6gm/kg	
12. ECOLOGICAL INFORM	ATION	
Mobility:	Soluble in water.	
Persistence and degradability:	Biodegradable.	
Bioaccumulative potential:	No bioaccumulation potential.	
13. DISPOSAL CONSIDERATIONS		
Waste disposal:	Mix or dissolve with a combustible material and burn in a chemical incinerator equipped	
	with afterburners and scrubbers.	
NB:	The user's attention is drawn to the possible existence of regional or national regulations	
	regarding disposal.	
14. TRANSPORT INFORMA	TION	
ADR / RID		
UN no:	1219	
ADR Class:	3	
Hazard ID no:	33	
Labelling:	3	
IMDG / IMO		
UN no:	1219	
Class:	3.2	
Packing group:	II	

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EmS:	3-06		
Marine pollutant:	NO		
Labelling:	3 FLAMMABLE LIQUID		
IATA / ICAO			
UN no:	1219		
Class:	3		
Packing group:	II		
Packing instructions:	307		
Quantity	60L		
Labelling:	3 FLAMMABLE LIQUID		
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:	S2: Keep out of the reach of children.		
	S7: Keep container tightly closed.		
	S16: Keep away from sources of ignition - No smoking.		
	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.		
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			
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.