

PRODUCT SAFETY DATA SHEET

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

PRODUCT NAME – AB1101

INTENDED USE – No relevant information.

SUPPLIER – ERRECOM Srl – Via Industriale - Località I GUI – 25030 Corzano (Brescia) Italy

Emergency Tel. +39 0374837151

2. COMPOSITION / INFORMATION OF INGREDIENTS

Substances presenting a Health or Environmental hazard within the meaning of the Chemicals (Hazard Information & Packaging)

Regulations 1991 as amended.

SUBSTANCE NAME	EINECS NO.	CAS NO.	%CONC RANGE	HAZARD SYMBOLS	RISK PHRASES
ISOPROPANOL	200-661-7	67-63-0	10-20	Xi, F,	36-11-67
BUTANE	203-448-7	106-97-8	1 2.5	F+,	12

For full text of Risk Phrases see Section 16 'Other Information'

3. HAZARDS IDENTIFICATION

Prolonged or repeated exposure to products containing refined mineral oil or HBPF distillates may result in dermatitis unless good personal hygiene is used. Pressurised 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. Deliberately concentrating and inhaling contents of this container is dangerous and can be fatal.

Classification

Extremely Flammable

Risk Phrases

Extremely Flammable

4. FIRST AID MEASURES

GENERAL

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

INHALATION

Remove to fresh air, keep warm and at rest. If breathing is irregular or stopped give artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

EYE CONTACT

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 mins. holding the eyelids apart, seek medical advice.

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.

INGESTION

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA – Carbon dioxide, Dry Powder, Halogenated Hydrocarbons, Sand, Foam.

NOT TO BE USED – Water.

SPECIAL INSTRUCTIONS FOR FIRE FIGHTING PERSONNEL – Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be hazardous to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with a water spray. Do not allow runoff from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sect. 7&8. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth and place in suitable container for disposal in accordance with the waste regulations. Do not allow large quantities to enter drains or water courses. If it does local water companies should be contacted, in case of contamination of streams rivers or lakes the National Rivers Authority.

7. STORAGE & HANDLING

Handling

Do not use in areas where potential sources of ignition exist. Electrical equipment should be protected to the appropriate standard. Use non-sparking tools & exclude sources of heat, sparks & flames. Avoid skin & eye contact. For personal protection see Sect. 8. Good housekeeping and regular removal of waste materials will minimise risks.

Storage

Store in accordance with the conditions of the licence which is necessary under the Petroleum (Consolidation) Act. See the HSE guidance note Storage of Flammable Liquids in Containers. Observe the label precautions. Store between 5 & 30°C in a dry well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. The principals contained in the HSE's guidance note Storage of Packaged Dangerous substances should be observed when storing this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures – Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If extraction methods are insufficient to maintain concentrations of particulates and/or solvent vapours below relevant OFL's, suitable respiratory protective equipment should be worn.

SUBSTANCE NAME	OCCUPATIONAL EXPOSURE LIMITS				NOTATION
	15MIN STEL		8HR LTEL		
	PPM	MG/M3	PPM	MG/M3	
ISOPROPANOL	500.00	1250.00	400.00	999.00	OES
BUTANE	750.00	1780.00	600.00	1430.00	OES

NOTES

Notations = Sk – risk of absorption through skin Sen – respiratory sensitizer Bmgv – Biological Monitoring may be appropriate (see Biological Monitoring Guidance Value in EH40 table 3)

OES = Occupational Exposure Standard MEL = Maximum Exposure Limit.

OEL's are from EH40 except where marked SUP which are assigned by the supplier of the substance.

General Protection – All ppe, including rpe, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

Respiratory Protection – Air fed respiratory equipment should be worn when sprayed if levels cannot be controlled below OEL's and engineering methods cannot be reasonably improved.

Hand Protection – Full physical protection is best. Seek relevant advice from glove manufacturers. Barrier cream may be of help but should not be applied after exposure has occurred.

Eye Protection – Eye protection designed to protect against liquid splashes should be worn.

Skin Protection – Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap & water or a proprietary skin cleaner.

9. PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE	CLEAR COLOURLESS LIQUID
FLASH POINT	< 0°C Method Pensky Martens Appartus to British Standard BS 6664 Pt. 5
SPECIFIC GRAVITY	0,987 gms/cc Method Hydrometer
SOLUBILITY IN WATER	MISCIBLE
VAPOUR DENSITY	HEAVIER than Air

10. STABILITY & REACTIVITY

Stable under the recommended storage & handling conditions (see Sect. 7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and acid materials to prevent the possibility of an exothermic reaction.

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eye cause irritation and reversible local damage.

12. ECOLOGICAL INFORMATION

There is no data available on the product itself. Large quantities of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

13. DISPOSAL CONSIDERATIONS

Do not allow large quantities to enter the drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution & Environmental Protection Acts.

14. TRANSPORT INFORMATION

Road / Rail	UN No.....1950	Packing Group...N/A	Class.....2.1
Designation.....	AEROSOL DISPENSER NOS Sea	Packing Grp. <= 30Its....N/A	Packing
Group.>30Its.....	N/A Class.....2		
	Marine Pollutant.....No	UN Number.....1950	
	Ems.....2-13	MFAG.....260***	
	Main Risk.....FLAMMABLE		
	Shipping Name.....AEROSOL DISPENSERS NOS		
Air	Packing Grp. < - 30Its....N/A	Packing Grp.>30Its....N/A	Class.....2.1
	UN Number.....1950		
International			Class.....2
Road / Rail	Item Number.....5°F		UN Number.....1950
	Main Risk.....FLAMMABLE		
	Shipping name.....AEROSOL DISPENSERS		

15. REGULATORY INFORMATION

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

Classification F + - Extremely Flammable

Contains

Risk Phrases 12 Extremely Flammable

Safety Phrases 2 Keep out of reach of children

16 Keep away from sources of ignition – No smoking

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

29 Do not empty into drains

In case of fire do not use water

7/9 Keep container tightly closed and in a well ventilated place

24/25 Avoid contact with skin and eyes

'P' Phrases Do not breath Vapour or Spray

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health & safety legislation.

The provisions of the Health & Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

16. OTHER INFORMATION

Text of any Risk Phrases listed in Section 2

R11	Highly Flammable
R12	Extremely Flammable
R36	Irritating to the eyes
R67	Vapours may cause drowsiness and dizziness

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Date of last revision 16/12/02

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations. The product should not be used for purposes other than those shown in sect. 1 without first referring to the supplier and obtaining written instructions. As the specific conditions of use of the product are outside of the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantees of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:

The Control Of Substances Hazardous to Health Regulations 1988 (SI 1988: 1657)

The Manual Handling Operations Regulations 1992 (SI 1992: 2793)

Storage of Flammable Liquids in Containers. HS(G)51

Storage of Packaged Dangerous Substances. HS(G)71

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1988: 2839)