

SAFETY DATA SHEET

MAS16P ANTI-STATIC SPRAY

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

PRODUCT NAME: MAS16P ANTI-STATIC SPRAY

PART No.: MAS16P

SUPPLIER: James Briggs Ltd
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
BETA-ALANINE,N-(2-CARBOXYETHYL)-N-DODECYL MONOSODIUM SALT		Xi R-36/38	1-5 %
AMMONIA			
7664-41-7	231-635-3	T,N R-10, 23, 34, 50	0-1 %
ISOBUTANE			
75-28-5	200-857-2	Fx R-12	1-5 %
BUTANE			
106-97-8	203-448-7	Fx R-12	5-10 %
PROPANE			
74-98-6	200-827-9	Fx R-12	10-30 %
PROPAN-2-OL			
67-63-0	200-661-7	Xi ,F R-11, 36, 67	30-60 %

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION:

Extremely flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES:

GENERAL: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION:	Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention.
INGESTION:	DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
SKIN:	Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
EYES:	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.
SPECIAL FIRE FIGHTING PROCEDURES:	Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Aerosol cans may explode in fires.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS:	Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.
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7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
STORAGE PRECAUTIONS:	Aerosol cans: Must not be exposed for direct sunlight or temperatures above 50°C.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
PROPAN-2-OL	67-63-0	OES	400 ppm	500 ppm
AMMONIA	7664-41-7	OES	25 ppm	35 ppm
BUTANE	106-97-8	OES	600 ppm	750 ppm
PROPANE	74-98-6		Asphyxiating	Asphyxiating

INGREDIENT COMMENTS:	OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.
PROTECTIVE EQUIPMENT:	



VENTILATION:	Provide adequate general and local exhaust ventilation.
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A2.1

RESPIRATORS:	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL). Use chemical cartridge protection with appropriate cartridge.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use approved safety goggles or face shield.
OTHER PROTECTION:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
HYGIENIC WORK PRACTICES:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Aerosol.
COLOUR:	Colourless.
ODOUR/TASTE:	Characteristic.
SOLUBILITY DESCRIPTION:	Soluble in water.
FLAMMABILITY LIMIT - LOWER(%):	0.8
FLAMMABILITY LIMIT - UPPER(%):	12.0

10. STABILITY AND REACTIVITY:

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.
HAZARDOUS DECOMP. PRODUCTS:	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION:

INHALATION:	May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system.
INGESTION:	May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.
SKIN:	Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause allergic contact eczema. May cause sensitisation by skin contact. Irritating to skin.
EYES:	Irritating to eyes. May cause chemical eye burns.
ROUTE OF ENTRY:	Inhalation. Skin and/or eye contact.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	Dangerous for the environment if discharged into watercourses.
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13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:

Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:

UN No. ROAD:	1950
UK ROAD TRANSPORT CLASS:	2.1
UK ROAD PACK GR.:	Not Applicable
ADR CLASS No.:	2.1
ADR CLASS:	Division 2.1: Flammable gases.
ADR ITEM No.:	5F
ADR MARGINAL:	2201
ADR LABEL No.:	2.1
CEPIC TEC(R) No.:	20G53
PROPER SHIPPING NAME I:	AEROSOLS
RID CLASS No.:	2.1
RID ITEM No.:	5F
UN No. SEA:	1950
IMDG CLASS:	2.1
IMDG PACK GR.:	Not Applicable
EmS No.:	2-13
MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	No.
UN No., AIR:	1950
ICAO CLASS:	2.1
AIR PACK GR.:	Not Applicable

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:

**RISK PHRASES:**

R-12 Extremely flammable.
R-36 Irritating to eyes.
R-67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES:

S-16 Keep away from sources of ignition - No Smoking.
S-2 Keep out of reach of children.
S-23C Do not breathe vapour/spray
S-25 Avoid contact with eyes.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-51 Use only in well ventilated areas.

UK REGULATORY REFERENCES:

The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations 1993.

APPROVED CODE OF PRACTICE:

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES:

Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION:

PRINTING DATE:

2002-10-29

R-PHRASES (Full Text):

R-11 Highly flammable. R-36 Irritating to eyes. R-67 Vapours may cause drowsiness and dizziness. R-36/38 Irritating to eyes and skin. R-10 Flammable. R-23 Toxic by inhalation. R-34 Causes burns. R-50 Very toxic to aquatic organisms. R-12 Extremely flammable.