ZINC SPRAY

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

Product Name S·A·S Zinc Spray
Product No SAS24 - 500 ml Aerosol.
Supplier Van-Line Ltd, Gelderd Road, Leeds, LS12 6NA.
Telephone +44 (0)113 213 4300
Fax +44 (0)113 213 4319
Email contact@van-line.co.uk

2) HAZARDS IDENTIFICATION

Extremely flammable. Harmful by inhalation and in contact with skin. Repeated exposure may cause skin dryness or cracking. Irritating to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xn;R20/21. Xi;R36. F+;R12. N;R51/53. R66.

3) COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
1-METHOXY-2-PROPANOL	203-539-1	107-98-2	1-5%	R10
ACETONE	200-662-2	67-64-1	10-30%	F;R11 Xi;R36 R66 R67
BUTANE	203-448-7	106-97-8	10-30%	F+;R12
ISOBUTANE	200-857-2	75-28-5	5-10%	F+;R12
PROPANE	200-827-9	74-98-6	10-30%	F+;R12
XYLENE	215-535-7	1330-20-7	10-30%	R10 Xn;R20/21 Xi;R38
ZINC DUST	231-175-3	7440-66-6	10-30%	N;R50/53

4) FIRST AID MEASURES - SYMPTOMS

General information 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 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 contact Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye contact 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.
Especial 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 a fire.

6) ACCIDENTAL RELEASE MEASURES

Spill Clean-up 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.

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 to direct sunlight or temperatures above 50°C.

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1-METHOXY-2-PROPANOL	WEL	100 ppm(Sk)	375 mg/m^3(Sk)	150 ppm(Sk)	560 mg/m^3(Sk)	
ACETONE				500 ppm	1210 mg/m^3	
BUTANE	WEL	600ppm	1450 mg/m^3	750 ppm	1810 mg/m^3	
ISOBUTANE	WEL	800 ppm		800 ppm		
PROPANE		Asphyxiating	Asphyxiating	Asphyxiating	Asphyxiating	
XYLENE	WEL	50 ppm(Sk)	220 mg/m^3(Sk)	100 ppm(Sk)	441 mg/m^3(Sk)	

WEL = Workplace Exposure Limit.
Ingredient comments OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.
Protective equipment

Engineering measures Provide adequate general and local exhaust ventilation.
Respiratory protection No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use chemical cartridge protection with appropriate cartridge.
Hand protection Use protective gloves.
Eye protection Use eye protection.
Other protection Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance Aerosol.
Colour Typical.
Odour Characteristic.
Flammability limit - Lower(%) 0.8
Flammability limit - Upper(%) 9.0

10) STABILITY AND REACTIVITY

Stability Stable under normal temperature conditions.
Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.
Haz. 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. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Harmful by inhalation. Irritating to respiratory system.
Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.
Skin contact Harmful in contact with skin. Irritating to skin. Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
Eye contact Irritating to eyes. May cause chemical eye burns.
Routes of exposure Inhalation. Skin and/or eye contact.

12) ECOLOGICAL INFORMATION

Ecotoxicity Dangerous for the environment if discharged into watercourses.

13) DISPOSAL CONSIDERATIONS

Disposal methods Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

14) TRANSPORT INFORMATION

Proper shipping name AEROSOLS (ZINC DUST)
UN No. Road 1950
ADR Class No. 2.1
ADR Class Class 2: Gases
Tunner restriction code (D)
ADR Label No. 2.1
UN No. Sea 1950
IMDG Class 2.1
EMS F-D, S-U
UN No. Air 950
AIR Class 2.1

15) REGULATORY INFORMATION

Labelling

Extremely flammable. Harmful. Dangerous for for the environment.

Contains XYLENE
Risk phrases
R12 Extremely flammable.
R20/21 Harmful by inhalation and in contact with skin.
R36 Irritating to eyes.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
Safety phrases
S2 Keep out of the reach of children.
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe vapour/spray.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 Wear suitable protective clothing and gloves.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S51 Use only in well-ventilated areas.
UK Regulatory references The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.
The Control of Substances Hazardous to Health Regulations 2002.
Statutory instruments Control of Substances Hazardous to Health.
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Approved code of practice Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance notes Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
CHIP for everyone HSG(108).

16) OTHER INFORMATION

Risk phrases used in full
R12 Extremely flammable.
R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R11 Highly flammable.
R36 Irritating to eyes.
R38 Irritating to skin.
R66 Repeated exposure may cause skin dryness or cracking.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.