



SAFETY DATA SHEET AXL - AXAREL 2200 AEROSOL

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME	AXL - AXAREL 2200 AEROSOL		
PRODUCT NO.	MCC-AXL, MCC-AXL101, MCC-DAXL, MCC-NAXL		
SUPPLIER	MICROCARE EUROPE, BVBA Havendoklaan 19 1804 Cargovil - Vilvoorde Belgium +32 251 95 05	MANUFACTURER	MICROCARE CORPORATION 595 John Downey Drive New Britain, CT 06019 United States of America CAGE: OATV9 +1 860-827-0626 +1 860-827-8105 techsupport@microcare.com

2 HAZARDS IDENTIFICATION

Irritating to eyes and skin.

CLASSIFICATION (1999/45) Xi;R36/38.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
1-propoxypropan-2-ol	216-372-4	1569-01-3	30-60%	Xi;R36/38.
MIXED ALIPAHTIC HYDROCARBONS		90622-57-4	30-60%	Xi;R36/38.

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

4 FIRST-AID MEASURES

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! Immediately rinse mouth and drink plenty of water (200-300 ml). Do not give victim anything to drink if he is unconscious. Consult a physician for specific advice.

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.

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 a fire.

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear approved, tight fitting safety glasses where splashing is probable.

SPILL CLEAN UP METHODS

Wear necessary protective equipment. If leakage cannot be stopped, evacuate area. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

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. Keep out of the reach of children.

STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

EYE PROTECTION

Use eye protection. Wear approved, tight fitting safety glasses where splashing is probable.

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 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	Liquid	VAPOUR DENSITY (air=1)	5.0
COLOUR	Clear Colourless	VOLATILE BY VOL. (%)	100
ODOUR	Odour of alcohol Ester.	FLAMMABILITY LIMIT - LOWER(%)	2.0
PHYSICAL DATA COMMENTS	Aerosol	SOLUBILITY VALUE (g/100g H2O@20°C)	60
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Soluble in water.		
BOILING POINT (°C)	149-193 C / 300-380 F		
VAPOUR PRESSURE	2.0 mm Hg 20 C / 68 F		
FLASH POINT (°C)	44 C / 111 F TCC (Tag closed cup).		
FLAMMABILITY LIMIT - UPPER(%)	12.7		
VOLATILE ORGANIC COMPOUND (VOC)	785 g/litre		

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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.

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

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. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

INGESTION

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. May cause nausea, headache, dizziness and intoxication. Unconsciousness.

SKIN CONTACT

Product has a defatting effect on skin. May cause skin irritation/eczema.

EYE CONTACT

Irritating to eyes.

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

Name HFC-134a Tetrafluoroethane

Toxic Dose 1 - LD 50 >2085 mg/kg (oral rat)

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

Name 1-propoxypropan-2-ol

Toxic Dose 1 - LD 50 3550 mg/kg (oral-rbt)

Name MIXED ALIPAHTIC HYDROCARBONS

12 ECOLOGICAL INFORMATION

Name HFC-134a Tetrafluoroethane

LC 50, 96 Hrs, FISH mg/l 450

EC 50, 48 Hrs, DAPHNIA, mg/l 980

Name 1-propoxypropan-2-ol

MIXED ALIPAHTIC HYDROCARBONS

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

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PROPER SHIPPING NAME	AEROSOLS		
PROPER SHIPPING NAME	Consumer Commodity ORM-D		
UN NO. ROAD	UN1950	ADR CLASS NO.	2.1
ADR CLASS	Class 2.1: Flammable gases.	ADR PACK GROUP	5°F
ADR LABEL NO.	3	HAZCHEM CODE	N/A
RID CLASS NO.	2.1	RID PACK GROUP	5°F
UN NO. SEA	1950	IMDG CLASS	2.1
IMDG PAGE NO.	94	IMDG PACK GR.	N/A
EMS	F-D, S-U	UN NO. AIR	1950
AIR CLASS	2.1	AIR SUB CLASS	N/A
AIR PACK GR.	N/A		

15 REGULATORY INFORMATION

LABELLING



Irritant

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S23 Do not breathe vapour/spray.
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.
S37 Wear suitable gloves.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
S60 This material and its container must be disposed of as hazardous waste.
A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
A2 Do not spray on a naked flame or any incandescent material.

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.

NATIONAL REGULATIONS

The Aerosol Dispensers (EEC Requirements)(Amendment) Regulations 1996 (S.I 1996 No. 2421).

16 OTHER INFORMATION

REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

REVISION DATE 07/01/2011

REV. NO./REPL. SDS 4

GENERATED

AXL - AXAREL 2200 AEROSOL

SAFETY DATA SHEET STATUS

Approved.

DATE January 7, 2011

RISK PHRASES IN FULL

R36/38 Irritating to eyes and skin.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.