

MATERIAL SAFETY DATA SHEET ANTI-SPATTER SPRAY

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

PRODUCT NAME ANTI-SPATTER SPRAY
PRODUCT NO. PBS
EPBS400
ZE
APPLICATION Manufacture of electrical equipment
SUPPLIER H K WENTWORTH PTY
LIMITED
P.O. BOX 339
BROOKVALE, NSW 2100
AUSTRALIA
TEL: 02 9938 1566
FAX: 02 9938 1467
GENERAL MANAGER
EMERGENCY TELEPHONE Tel: 029938 1566 between 8.30am and 5.00pm EST
PROPER SHIPPING NAME AEROSOLS

2 HAZARDS IDENTIFICATION

RISK PHRASES

R40 Limited evidence of a carcinogenic effect.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S23 Do not breathe vapour/spray.
S36/37 Wear suitable protective clothing and gloves.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
P14 Contains d-LIMONENE, Orange Terpenes. May produce an allergic reaction.
A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

The above phrases are the risks associated with the product

ENVIRONMENT

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Dispose of waste and residues in accordance with local authority requirements.

PHYSICAL AND CHEMICAL HAZARDS

Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

STATEMENT OF HAZARDOUS NATURE

HAZARDOUS SUBSTANCE (According to criteria of NOHSC). DANGEROUS GOODS (According to ADG Code).

DG CLASS

Class 2: Gases

ADG SUBRISK 6.1

PACKING GROUP N/A

UN NO. 1950

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548)
DICHLOROMETHANE	200-838-9	75-09-2	60-80%	Carc. Cat. 3;R40
1,1,1,2-TETRAFLUOROETHANE R134A	212-377-0	811-97-2	10-30%	-

ANTI-SPATTER SPRAY

d-LIMONENE	227-813-5	5989-27-5	< 1%	R10 R43 Xi;R38 N;R50/53
Orange Terpenes	232-433-8	8028-48-6	< 1%	Xn;R65. Xi;R38. N;R50/53. R10,R43.

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

COMPOSITION COMMENTS

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels Ingredients are registered on AICS

4 FIRST-AID MEASURES

NOTES TO THE PHYSICIAN

Treat symptomatically

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly.

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 and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk.

UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Wear full protective clothing for prolonged exposure and/or high concentrations.

STORAGE PRECAUTIONS

Store at moderate temperatures in dry, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1,1,1,2-TETRAFLUOROETHANE R134A	ES-TWA	1000 ppm	4240 mg/m3			
DICHLOROMETHANE	ES-TWA	50 ppm(Sk)	174 mg/m3(Sk)			

INGREDIENT COMMENTS

Australian exposure limits are: LT= ES-TWA and ST= ES STEL

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

ANTI-SPATTER SPRAY

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. **DO NOT SMOKE IN WORK AREA!**

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol Liquid
COLOUR	Colourless
ODOUR	Characteristic
VOLATILITY DESCRIPTION	Volatile.
SOLUBILITY	Insoluble in water
RELATIVE DENSITY	0.950 @ 20 °c
VAPOUR PRESSURE	47.1 kPa @ 20 °c
AUTO IGNITION TEMPERATURE (°C)	465 (869 F)

10 STABILITY AND REACTIVITY

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Carbon monoxide (CO). Hydrogen fluoride (HF). Carbonyl fluoride

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

Known or suspected carcinogen for humans.

INHALATION

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

SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Irritation of eyes and mucous membranes.

OTHER HEALTH EFFECTS

Suspect Cancer Hazard.

Name	DICHLOROMETHANE
Toxic Dose 1 - LD 50	670 mg/kg (oral rat)
Name	d-LIMONENE
Toxic Dose 1 - LD 50	>5000 mg/kg (oral rat)
Name	Orange Terpenes
Toxic Dose 1 - LD 50	>5000 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

Name	d-LIMONENE
EC 50, 48 Hrs, Daphnia, mg/l	12.3
Mobility	
The product has poor water-solubility.	
Name	Orange Terpenes
EC 50, 48 Hrs, Daphnia, mg/l	12.3

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

ANTI-SPATTER SPRAY



PROPER SHIPPING NAME	AEROSOLS
ADG CLASS	Class 2.2: Non-flammable non-toxic gases
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
UN NO.	1950
ADG CLASS NO.	2
DG CLASS	Class 2: Gases
ADG SUBRISK	6.1
PACKING GROUP	N/A
ADG LABEL NO.	2.2 & 6.1
UN NO. SEA	1950
IMDG CLASS	2.2
IMDG SUB CLASS	6.1
IMDG PACK GR.	N/A
EMS	F-D, S-U
UN NO. AIR	1950
AIR CLASS	2.2
AIR SUB CLASS	6.1
AIR PACK GR.	N/A

15 REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS

DICHLOROMETHANE

RISK PHRASES

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R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

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S36/37 Wear suitable protective clothing and gloves.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
P14 Contains d-LIMONENE, Orange Terpenes. May produce an allergic reaction.
A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

POISONS SCHEDULE NUMBER NONE

NATIONAL REGULATIONS AND REFERENCES

National Model Regulations for the Control of Workplace Hazardous Substances.
National Code of Practice for the Control of Workplace Hazardous Substances.
National Code of Practice for the Labelling of Workplace Substances.
National Code of Practice for the Preparation of Material Safety Data Sheets.

ANTI-SPATTER SPRAY

Approved Criteria for Classifying Hazardous Substances.
Exposure Standards for Atmospheric Contaminants in the Occupational Environment.
Australian Dangerous Goods Code. The Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

16 OTHER INFORMATION

ISSUED BY

Helen O'Reilly

REVISION DATE NOVEMBER 2010

REV. NO./REPL. SDS 4

GENERATED

SDS NO. 11079

RISK PHRASES IN FULL

R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.
R38 Irritating to skin.
R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitisation by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.