

SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET

Last changed: 13/10/2010

Internal No:

Replaces date: 01/10/2010

M&P POWER AVLOPPSRENS

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

**TRADE NAME****POWER PLUMBER****TYPE OF USE**

Drain clearing/unblocking

Internal sort no.

002,5252

Internal Name

Power Plumber

National manufacturer/importer

Enterprise

Interland Trading Ltd

Address

9 Eversden Close, Toft, Cambridgeshire

Postal code

CB23 2RS

Country

UK

E-mail

mail@interland-trading.co.uk

Internet

www.interland-trading.co.uk

Telephone

01223 265598

Fax

01223 265673

Name

Derek Bilsland

E-mail

mail@interland-trading.co.uk

Tel. (work)

01223

265598

Country

UK

Emergency Phone

999

Type of assistance**Opening Hours**

2. HAZARDS IDENTIFICATION

**GENERAL**

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

FIRE AND EXPLOSION**ENVIRONMENT**

3. COMPOSITION / INFORMATION ON INGREDIENTS



No	Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
1	1,1,1,2-tetrafluoroethane		212-377-0	811-97-2	80 - 100 %	
2	d-limonene ((R)-p-mentha-1,8-diene)		227-813-5	5989-27-5	< 0,1 %	Xi,N,R38 - R43 - R50/53 - R10
3	ethanol, ethyl alcohol		200-578-6	64-17-5	1 - 10 %	F,R11

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidizing, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

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INGREDIENT COMMENTS

R-phrases mentioned in section 3 are listed up in section 16 with complete text.

4. FIRST AID MEASURES



GENERAL

Get medical attention if any discomfort continues. Show this safety data sheet, if possible.

INHALATION

Fresh air and rest.

EYE CONTACT

Rinse thoroughly with water until the irritation subsides.

INGESTION

Drink a few glasses of water or milk. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES



EXTINGUISHING MEDIA

Fire may be extinguished using powder, foam or carbon dioxide (CO₂).

FIRE AND EXPLOSION HAZARDS

Pressurized container: Must not be exposed for temperatures above 50 °C. The can may explode in the event of fire.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Gases that are dangerous to health are formed in a fire. Avoid breathing fire vapours. Firemen must wear closed-circuit breathing equipment and full protective suits.

OTHER INFORMATION

Containers close to fire should be removed immediately or cooled with water. Do not allow extinguishing water or spillage to run out into the sewage system.

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS

Use only in well-ventilated areas. Wear necessary protective equipment.

METHODS FOR CLEANING UP

Move the leaking container to a segregated area.

7. HANDLING AND STORAGE



HANDLING PRECAUTIONS

Aerosols can explode when heated to temperatures over 50 °C.

HANDLING ADVICE

Keep out of the reach of children. Do not pierce or burn, even after use. Observe normal care. Avoid all unnecessary contact with chemicals.

STORAGE

Pressurized container: Must not be exposed for temperatures above 50 °C. Not to be stored in direct sunlight. Keep in a dry, cool and well-ventilated place. Should not be stored in the immediate vicinity of easily combustible substances.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION



EXPOSURE CONTROL

Use only in well-ventilated areas. All handling to take place in well ventilated area. Provide eyewash, quick drench.

RESPIRATORY PROTECTION

No respirator is normally needed.

EYE PROTECTION

Eye protection is normally not needed.

HAND PROTECTION

Hand protection is normally not needed.

PROTECTIVE CLOTHING

Protective clothing is normally not needed.

OEL value

Ingredient name	Cas nr.	Interval	ppm	mg/m3	Year	Notification
ethanol, ethyl alcohol	64-17-5	8 h	500,0	1000,0	1993	
ethanol, ethyl alcohol	64-17-5	15 min.	1000,0	1900,0	1993	
1,1,1,2-tetrafluoroethane	811-97-2	8 h	500,0	2000,0	1996	
1,1,1,2-tetrafluoroethane	811-97-2	15 min.	750,0	3000,0	1996	

OTHER INFORMATION REGARDING LIMIT VALUES AND MONITORING

The OEL values are based on the Swedish regulation, AFS 2005:17 Occupational exposure limit values and measures against air contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES



Physical State

Aerosol.

Colour

Colourless.

Odour

Perfume (lemon scent)

10. STABILITY AND REACTIVITY



STABILITY

Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID

Avoid high temperatures and direct sunlight.

MATERIALS TO AVOID

No dangerous reactions known.

HAZARDOUS DECOMPOSITION PRODUCTS

No dangerous reactions known.

11. TOXICOLOGICAL INFORMATION



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INHALATION

High concentrations may cause: Irritation of nose, throat and airway. May cause headache, dizziness, tiredness and nausea. At high contents, unconsciousness, and at very high contents, suffocation due to oxygen deficiency.

SKIN CONTACT

May cause frostbite.

EYE CONTACT

Splashing into eyes may cause frostbite, with temporary vision disorder.

INGESTION

Not relevant.

SENSITIZATION

The product contains small quantities of an allergenic substance. The product may cause allergies to oversensitive persons even in small quantities. Risk increases on protracted or repeated exposure.

12. ECOLOGICAL INFORMATION



OTHER INFORMATION

Not regarded as dangerous for the environment

13. DISPOSAL CONSIDERATIONS



GENERAL REGULATIONS

The company is member of REPA.

Empty packaging is sent for recycling. Spillages and not empty containers are treated as dangerous waste. Observe local regulations.

CATEGORY OF WASTE

Waste code 14 06 03*

Empty containers; waste code 15 01 04

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14. TRANSPORT INFORMATION



Classified as Dangerous Goods:



Yes



No



Not assessed

UN No.: 1950

TRADE NAME AND DESCRIPTION

AEROSOLS

ADR/RID

Class: 2,5A

Packing group:

Danger form: 2.2

IMDG

Class: 2.2

Packing group:

Sub Risk: no

EMS:

F-D,S-U

Marine Pollutant: no

IATA

Class: 2.2

Packing group:

Sub Risk: no

Label: 2.2

OTHER INFORMATION

Aerosols may be carried domestically as limited quantities (LQ2) as long as each package does not exceed 30 kg in cardboard boxes or 20 kg on trays with shrink- or stretch wrapping. Each package shall be marked with "UN 1950". These markings shall be displayed within a diamond-shaped area surrounded by a line that measures at least 100 mm x 100 mm.

15. REGULATORY INFORMATION



OTHER LABELLING PHRASES

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. 6,7 % by mass of the contents are flammable.

16. OTHER INFORMATION



LIST OF RELEVANT R-PHRASES

Nr.	R-Phrase text
R10	Flammable.
R11	Highly flammable.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

TRAINING ADVICE

The information in this MSDS shall be available to those who handle the product.

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REVISION HISTORY

Version	Rev. date	Responsible	Changes
0.0.1	07/09/2010	J. Mattsson	-
0.0.2	01/10/2010	J. Mattsson	1,2,3,12,15,16
0.0.3	13/10/2010	J. Mattsson	1,15,16