

ANNEXURE 1

MATERIAL SAFETY DATA SHEET

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COMPANY DETAILS

Supplier Name: Unique Welding Alloys **Emergency Tel Nr:**
Address: 19 Van Dyk Road, Boksburg **Telex:**
Tel: 011 841 9800 **Fax:**

1. Product and Company Identification: (Page 1 may be used as an emergency safety sheet)

Trade name: *Thermamax Anti-Spatter
Silicone free Aerosol 300ml* **Chemical abstract No:** None
Chemical family: Aerosol containing dichloromethane **NIOSH no:** None
Chemical name: Aerosol containing dichloromethane **Hazchem code:** NA
Synonyms: NA **UN no:** 1950 Aerosols , nonflammable Class 2.2

2. Composition:

Hazardous components: Dichloromethane CAS 75-09-2 UN 1593 65 - 85 %
Carbon Dioxide CAS 124-38-9 5 - 10 %
EEC Classification: Not listed
R Phrases: R40-20 /21/22 -65-66

3. Hazards Identification:

Main Hazard: Harmful by inhalation
Flammability: Not flammable
Chemical Hazard: Can react with oxidisers.
Biological Hazard: Not determined
Reproduction Hazard: Not determined
Eye effect: **Eyes:** Irritant
Health effects: **Skin:** Irritant
Health effects: **Ingestion:** Harmful if ingested
Health effects: **Inhalation:** Harmful if inhaled
Carcinogenicity: Not determined
Mutagenicity: Not known
Neurotoxicity: Not known

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4. First Aid Measures:

Product in Eye: Flush with water for 15 minutes

Product on Skin: Flush with water for 15 minutes, remove contaminated clothing.

Product Ingested: Do not induce vomiting. Get medical help.

Product Inhaled: Remove from contaminated area, Get medical help.

5. Fire Fighting Measures:

Extinguishing Media: Foam / CO2 / Halon / Dry chemical.

Special Hazards: Keep aerosol containers cool using water spray. Use proper equipment to protect personnel from bursting containers.

Protective Clothing: Wear positive pressure self-contained breathing apparatus & protective gloves

6. Accidental Release Measures:

Personal Precautions: Restrict access to area. Provide adequate protective equipment & ventilation.

Environmental Precautions: Remove sources of flame & notify environmental authorities

Small Spills: Absorb spill with inert material such as vermiculite. Place in in chemical waste containers for later disposal.

Large Spills: Absorb spill with inert material such as vermiculite. Place in in chemical waste containers for later disposal.

7. Handling and Storage:

Suitable Material: Fire resistant bung wall.

Handling/Storage Precautions: Do not store near fire, sparks or flame. Do not puncture or or incinerate aerosol containers. Exposure to temperatures above 45°C may cause the containers to burst.

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8. Exposure Controls/Personal Protection:

Occupational Exposure Limits:	Not known
Engineering Control Measures:	Only small aerosols under normal use. So use adequate local ventilation
Personal Protection Respiratory:	Not necessary when used as expected with small aerosol. But has anesthetic & irritant effect. Use in well ventilated area.
Personal Protection Hands:	Not necessary when used as expected with small aerosol. However for further protection use barrier cream or gloves
Personal Protection Eyes:	Not necessary when used as expected with small aerosol. However for further protection use goggles
Personal Protection Skin:	Not necessary when used as expected with small aerosol. However for further protection use barrier cream or protective clothes.
Other Protection:	None

9. Physical and Chemical Properties:

Appearance:	Aerosol containing light colored liquid.
Odour:	Dichloromethane
pH (1%):	NA
Boiling point:	Contents w/o propellant >40°C
Melting point:	NA
Flash point:	<i>Does not apply to an aerosol.</i> Contents: Not flammable
Flammability:	Not flammable
Auto Flammability:	NA
Explosive Properties:	NA
Oxidizing Properties:	Will react with oxidisers
Vapour Pressure:	ND
Density:	1.27
Solubility Water:	5% soluble in water
Solubility Solvent:	ND
Solubility Coefficient:	ND
Neurotoxicity:	ND

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10. Stability and Reactivity:

Conditions to avoid: Use adequate ventilation avoid inhalation & ingestion.

Incompatible material: oxidisers

Hazardous decomposition products: Hydrocarbons, Chlorine

11. Toxicological Information:

Acute Toxicity: LD50 of dichloromethane 1600mg/Kg (Rat) -Oral
Skin and Eye Contact: Harmful in contact with skin & eye. Irritation & inflammation might occur

Chronic Toxicity: Dichloromethane Carc. Cat 3,; R40

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Reproductive hazards: ND

12. Ecological Information:

Aquatic Toxicity: Fish: No ecological problems are to be expected with aerosols

Aquatic Toxicity: Daphnia: No ecological problems are to be expected with aerosols

Aquatic Toxicity: Algae: No ecological problems are to be expected with aerosols

Biodegradability: No ecological problems are to be expected with aerosols

Bio-accumulation: No ecological problems are to be expected with aerosols

Mobility: No ecological problems are to be expected with aerosols

German wgk: Not listed

13. Disposal Considerations:

Disposal Methods: As per local authority.

Disposal Packaging: As per local authority.

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14. Transport Information:

UN no:	1950
Substance identity No:	Aerosols Non Flammable (Each not exceeding 1000ml capacity) Division 2.2 containing substances in class 6.1 packaging group III (Dichloromethane)
ADR/RID class:	Aerosols Non Flammable (Each not exceeding 1000ml capacity) Division 2.2 containing substances in class 6.1 packaging group III
ADR/RID item no:	Aerosol
ADR/RID hazard identity no:	—
IMDG – Class:	2.2
IMDG – Packing Group:	Aerosol
IMDG – Marine Pollutant:	–
IMDG – EMS :	F-D / S-U
IMDG – MFAG table no:	NA
IMDG – Shipping name:	Aerosols Non Flammable (Each not exceeding 1000ml capacity) Division 2.2 containing substances in class 6.1 packaging group III (Dichloromethane)
IATA – Shipping name:	Aerosols Non Flammable (Each not exceeding 1000ml capacity) Division 2.2 containing substances in class 6.1 packaging group III (Dichloromethane)
IATA – Class:	2.2
IATA – Subsidiary risk(s):	None
ADNR –	
UK – Description:	Aerosols Non Flammable (Each not exceeding 1000ml capacity) Division 2.2 containing substances in class 6.1 packaging group III (Dichloromethane)
UK – Emergency action class:	ND
UK – Classification:	Xn

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15. Regulatory Information:

EEC hazard classification:



I Xn Harmful

Risk Phases: R40-20 /21/22 –65-66

Safety Phases: S23-36/37-38-51

National Legislation: ND

16. Other Information:

The information provided in this safety data sheet, is correct to the best of our knowledge, information and belief at the date of publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.