

SAFETY DATA SHEET

A.W.F. GRAFFITI REMOVER AEROSOL

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	A.W.F. Graffiti Remover Aerosol
Supplier	A.W.F. SMS Ltd
Address	Unit I D Brymau 3 Estate River Lane Saltney Chester, CH4 8RQ
Phone Number	01244 - 677833
Fax Number	01244 - 677844

2. COMPOSITION/INFORMATION ON INGREDIENTS

PROPAN-2-OL

Code	Concentration	EC Number	Classification
000067-63-0	10-20%	200-661-7	F, R11, Xi, R36 R67

BUTANE

Code	Concentration	EC Number	Classification
000106-97-8	10-20%	203-448-7	F+, R12

ETHANOL

Code	Concentration	EC Number	Classification
000064-17-5	10-20%	200-578-6	F, R11

1-METHOXYPROPAN-2-OL

Code	Concentration	EC Number	Classification
000107-98-2	10-20%	203-539-1	R10

2-BUTOXETHANOL

Code	Concentration	EC Number	Classification
000111-76-2	10-20%	203-905-0	Xn, R20/21/22 Xi, R36/38

1-METHYL-2-PYRROLIDONE

Code	Concentration	EC Number	Classification
000872-50-4	5-10%	212-828-1	Xi, R36/38

Methanol

Code	Concentration	EC Number	Classification
000067-56-1	< 1%	200-659-6	F, R11, T.R23/24/25, 39/23/24/25

3. HAZARDS IDENTIFICATION

Physical/Chemical Hazards Highly Flammable, Irritant

Main Hazards

Highly Flammable, Irritating to eyes and skin, Vapours may cause drowsiness and dizziness.

Eyes: Hazardous in case of eye contact. (Irritant)

Skin: Hazardous in case of skin contact (irritant) Skin inflammation is characterized by itching, scaling, reddening or occasionally blistering.

4. FIRST AID MEASURES

General: In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Obtain medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Obtain medical attention.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Cold water may be used. Obtain medical attention.

Ingestion:

Do not induce vomiting unless directed to do so by medical personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Small fire, use Dry Chemical Powder. Large fire, use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build up, auto-ignition or explosion.

Hazardous thermal decomposition products: In a fire, the following can be released: - Carbon oxides (CO, CO²), Nitrogen oxides (NO, NO²).

Protection of Fire Fighters: Be sure to use an approved/certified respirator or equivalent.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Splash goggles. Impervious gloves, protective clothing.

Environmental precautions and cleaning methods.

If emergency personnel are unavailable, contain spilled material. For small spills add absorbent, Soil may be used in the absence of other suitable materials and use a non sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal.

Minimize contact of spilled material with soils to prevent runoff to surface waterways.

7. HANDLING AND STORAGE

Handling

Avoid contact with eyes, skin and clothing. Avoid breathing vapours or spray mists. Ventilation is normally required when handling or using this product.

Storage

Keep container in a cool well ventilated area. Avoid all possible sources of ignition, spark or flame. Keep away from direct sunlight or strong incandescent light. Store in original sealed containers at temperatures between 5° and 30° C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Measures:

Eyes Safety Glasses

Body Protective Clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, clear to slightly hazy liquid	Odour	Fruity
pH	Neutral	Boiling point	>150° C
Melting point	-10° C	Flammability	Flammable
Flash point	The lowest known value is, Closed cup 34° C		
Explosion limits	The greatest known range is Lower 1.4%, Upper 14%		
Dipropylene Glycol Methyl Ether			
Vapour Pressure	The highest known value is 1.5 Kpa (10.9mm of Hg) (at 20° C) (1-Methoxypropan-2-ol). Weighted average 0.32 kPa (2.4mm of Hg) (at 20° C)		
Specific Gravity	1.04 g/cm ³		
Solubility	Easily soluble in cold water		
Auto-ignition Temperature	>400° C		
Vapour Density	The highest known value is 3.12 (Air=1) (1-Methoxypropan-2-ol)		

10. STABILITY AND REACTIVITY

Stability The product is stable
 Conditions to avoid None identified
 Materials to avoid Strong oxidising materials acids, alkalis
 Hazardous decomposition products In a fire the following may be released, carbon oxides (CO, CO²)

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Acute oral toxicity LD50, 4200 mg/kg, Rat, (1-Methyl-2-Pyrrolidone).
 Acute Dermal toxicity, LD50 >200 mg/kg, Rabbit, (P-Mentha 1,8(9)-Diene).

Local effects

Eye Irritation, Hazardous in case of eye contact.
 Skin Irritation, Hazardous in case of skin contact.
 Chronic toxicity repeated exposure may cause skin dryness or cracking.

Specific effects

Carcinogenic effects No carcinogenic effect
 Mutagenic effects No mutagenic effect
 Reproduction toxicity No know significant effects or critical hazards.

Additional information No components of this material are listed as carcinogens by OSHA, NTP, ACGIH or IARC.

12. ECOLOGICAL INFORMATION

Ecotoxicity No Known significant effects or critical hazards.
 Mobility Do not allow to enter drains or watercourses.
 Persistence/degradability
 Biodegradability, No evidence of biodegradability
 Bioaccumulative This product is not expected to bioaccumulate through food chains in the environment.

13. DISPOSAL CONSIDERATIONS

Methods of Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION

This preparation is not classified as dangerous according to international transport regulations. (ADR/RID, IMDG, ICAS/IATA)

UN Number 1950

Proper Shipping Name Aerosol, Flammable

Class 2.1

15. REGULATORY INFORMATION

Label Requirements F, Xi

EU Regulations

Risk Phrases R 36/38 Irritating to eyes and skin

Safety Phrases S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of soap and water. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S46 If swallowed, seek medical advice immediately and show this container or label.

EC Classification Irritant

Product Use Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.

-Consumer applications.

Hazardous Ingredients None

EC statistical Classification (Tariff Code) 3814009090

16. OTHER INFORMATION

Full Text of R phrases appearing in section 2,

R12 Extremely Flammable

R11 Highly Flammable

R10 Flammable

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25 Toxic danger of serious irreversible effects through inhalation, in contact with skin and if swallowed.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36 Irritating to eyes and skin.

R67 Vapours may cause drowsiness and dizziness.

Notes Conforms to 91/155/EEC – 2001/58/EC

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user.

All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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