ASTROflame COSHH & DATA SHEETS

MATERIAL SAFETY DATA

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: Astro BSGR Bare Surface Graffiti Remover

Description of Product: For professional use as a graffitit remover.

Company name:

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients:

DICLOROMETHANE > 60%
CAS: 75-09-2 EINECS: 200-838-9
(Xn) R40

METHANOL 9.9-20%
CAS: 67-56-1 EINECS: 200-659-6
(F) R11; (T) R23/24/25; (T) R39/23/24/25

3. HAZARDS IDENTIFICATION

Main hazards: Harmful.

4. FIRST AID MEASURES

Skin contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Do NOT use solvents or thinners.

Eye contact: Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Inhalation: Remove to fresh air. If breathing has stopped apply artificial respiration. If unconscious, place in the recovery position and obtain medical attention. Give nothing by mouth.

Ingestion: If swallowed obtain immediate medical attention. Keep warm and at rest. DO NOT INDUCE VOMITING.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use alocohol resistant foam, carbon dioxide, dry chemicals or water spray. DO NOT USE WATER JET.

Exposure hazards: Fire will produce fumes of hydrogen chloride / phosgene.

Protective equipment: Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Remove all sources of ignition. Ensure adequate ventilation.

Evacuate personnel to safe areas. See section 8 for personal protective equipment.

Environmental Precautions: Do not let product enter drains or water courses. Local authorities should be advised if significant spillages cannot be contained.

Clean-up methods: Contain and collect spillage with a non-combustible absorbent material (i.e. sand, earth). Transfer to suitable container for disposal. Clean the spillage area with detergent. Avoid the use of solvents.

7. HANDLING AND STORAGE

Handling:
Avoid contact with skin and eyes. Ensure adequate ventilation or exhaust ventilation in the working area. Keep away from open flames, hot surfaces and sources of ignition. Do not breathe vapours. wear personal protective equipment Adopt best Manual Handling Operations when handling, carrying and dispensing. See section 8 for personal protective equipment.

Storage:
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures between 5 and 25 °C. Keep away from direct sunlight, sources of ignition and heat. Protect from frost. Keep in properly labelled containers. Do not store together with strong acids and oxidizing agents. Keep away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls:

Ingredients	**STD**	**TWA**	**STEL**
		(8 hr)	(15 min)
DICLOROMETHANE METHANOL	OEL	100 ppm	300 ppm

Engineering measures: Ensure adequate ventilation, especially in confined areas.
Where practicable this should be achieved using local exhause ventilation and good general extraction.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Wear suitable protective gloves.

Eye protection: Wear goggles to BS EN 166 349B and ensure eye bath is available.

Skin protection: Wear cotton or synthetic overalls. Remove and wash contaminated clothing

before re-use. Wash hands before breaks and immediately after handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Colourless Viscous liquid **Specific gravity:** 0.9-1.5

Solubility in water: Soluble **Vapour Density:** Heavier than air

Explosion limits: Lower: 19% Upper: 12% **Flashpoint:** N/A

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage and handling conditions. See section 7.

Conditions to avoid: Heat, sources of ignition, direct sunlight and humidity.

Materials to avoid: Avoid oxidising agents and strongly alkaline or acidic materials to prevent possibility of exothermic reaction.

Decomposition: In combustion emits toxic fumes of hydrogen chloride / phosgene.

11. TOXICOLOGICAL INFORMATION

Toxicological data: There is no data available on the product itself.

Acute toxicity: Ingestion may cause Nausea and vomiting. Inhalation of high vapour concentrations can cause irritation of the mucous membrane and the respiratory system and the renal and Central Nervous System. Symptoms include headaches, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

Corrosivity/irritation: Irritating to eyes. May cause irreversible eye damage. Contact with skin will produce irritation or burns.

12. ECOLOGICAL INFORMATION

Mobility: Final destination of reacted products is water. Volatile. Readily adsorbed into soil.

Degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Method of disposal: Dispose of in accordance with local regulations. Classified as hazardous waste according to the Control of Pollution (Special Waste) Regulations 1980. The disposal of wastes arising from industrial premises is subject to The Environmental Protection (Duty of Care) Regulations 1991. Do not dispose of waste into sewer.

14. TRANSPORT INFORMATION

ADR/RID – Transport by Road and Rail

UN number: 2810 **Packing group:** I

Class: 6.1 **Hazard ID:** 66

Proper Shipping Name: Toxic Liquid, Organic, N.O.S.

IMDG/IMO – Transport by Sea

UN number:	2810	**Packing group:**	I
Class:	6.1	**Marine Pollutant:**	YES
EmS:	6.1-02		

IATA/ICAO – Transport by Air

UN number:	2810	**Packing group:**	I
Class:	6.1	**Quantity:**	30L
Packing instructions:	604		

15. REGULATORY INFORMATION

Labelling: The product is classified in accordance with Annex VI to Directive 67/548/EEC

Hazard symbols: Harmful

Risk phrases: R40: Limited evidence of a carcinogenic effect.

Safety phrases: S 2: Keep out of the reach of children.

S23: Do not breathe vapour or spray

S24: Avoid contact with skin

S36/37: Avoid contact with skin and eyes.

S61: Avoid release to the environment.
Refer to special instructions/safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Risk phrase text in full from the hazardous ingredients listed in Section 2:

R11: Highly Flammable

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

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

Data sources:
This document has been compiled in accordance with the Chemicals (Hazard Information and

Packaging for Supply) Regulations 2002. Data sources used are Approved Supply List Seventh Edition, Approved Classification and Labelling Guide Fifth Edition, Approved Code of Practice: Safety data sheets for substances and preparations dangerous for supply Third Edition, EH40 2002, RTECS 2002, CDG 1999, IMDG Code 2002, ADR 2003 and IATA 2003.

Revisions:
This Safety Data Sheet has been provided to update the previous revision, number 1.4, dated May 2002.

Legal disclaimer: The product should not be used for purposes other than shown in Section 1, without referring to the supplier and obtaining written handling advice. The information supplied in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental issues, and should not be construed as any guarantee of technical performance or product suitability for particular applications. As the specific conditions of use are outside of the suppliers control, the user is responsible for ensuring compliance with any relevant legislation.

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