

Material Safety Data Sheet

1.0 Identification of the substances/preparation and company/undertaking.

PRODUCT NAME: HSF GRAFFITI REMOVER

Address: **MALCOLM SMITH – POWER CLEANING
45 ROUNDPONDS, MELKSHAM, WILTSHIRE. SN12 8DW
01225-707200**

2.0 Composition/Information on ingredients

Product Description

A versatile Graffiti Remover, in liquid form, effective against a wide range of inks and paints.

Hazardous Ingredient(s)	Cas No	% w.w. (Range)	Nature of Hazard	R Phrases
Orange Terpenes	8028-48-6	30-60	Irritant	R 10,38,43,50/51
N-Methylpyrrolidone	872-50-4	10-30	Irritant	R36/38
Non-Ionic Surfactants	68439-45-2	5-15	Irritant	R22, R 38

Composition

A mixture solvents and emulsifying agents.

3.0 Hazards Identification

Product is classified as **IRRITANT** and will cause Irritation to eyes and skin. It is Dangerous for the Environment and must not be released directly into it.

Revision: 04
This data sheet was prepared in
accordance with Directive 91/155/EEC

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4.0 First Aid Measures

- Eye Contact: Rinse well with copious amounts of water, and obtain medical advice.
- Skin Contact: Wash with plenty of water and remove any contaminated clothing.
- Ingestion: Drink cold water or milk. Seek medical attention promptly.
- Inhalation: Remove to fresh air, rest and keep warm. If unwell, seek medical help.
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5.0 Fire Fighting Measures

Use CO₂ or dry powder for small fires. Use foam or water fog for larger fires.

6.0 Accidental Release Measures

Turn off all sources of ignition. Wear protective clothing. Contain spillage with absorbent materials or dry earth/sand. Collect into secure metal containers. Ensure good ventilation and avoid smoking. Do not allow neat product to enter natural drainage system.

7.0 Handling and Storage

- 7.1 Handling Protective clothing & solvent resistant gloves should be worn as a precaution.
- 7.2 Storage Store away from heat sources and enforce a NO SMOKING rule.
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8.0 Exposure Controls/Personal Protection

Chemically impervious gloves (rubber/PVC), goggles and protective clothing should be worn. Ensure good ventilation when using product indoors.

Occupational Exposure Limits

The major component of the product, Orange Terpenes has a recommended STEL of 100 ppm and an LTEL of 150 ppm.

N-Methylpyrrolidone has a recommended STEL of 75 ppm and a LTEL of 25 ppm

Calculated STEL & LTEL for the *mixture* are 230 ppm and 120 ppm respectively.

9.0 Physical and Chemical Properties

Form	:	Liquid
Colour	:	Pale straw, clear liquid
Odour	:	Citrus
Flash Point (Deg C)	:	58 ⁰ C
Solubility (Water)	:	Emulsifiable
Freezing Point (Deg C)	:	Below -20 ⁰ C
Specific Gravity	:	0.94 @ 20°C
pH (neat)	:	Not applicable

10.0 Stability and Reactivity

Do not mix with other chemicals. Avoid exposure to heat and sources of ignition.

11.0 Toxicological Information

Inhalation	:	Excessive inhalation may cause headaches and drowsiness.
Skin Contact	:	Will cause dryness leading to irritation and cracking.
Eye Contact	:	Will cause irritation and redness.
Ingestion	:	May cause severe discomfort and pain.

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12.0 Ecological Information

Environmental Fate and Distribution	Domestic waste water drainage system 1L, 5L and 20L.
Persistence and Degradation	Readily biodegradable
Toxicity	Toxic to aquatic organisms
Effect on Effluent Treatment	Do not release neat material into watercourse.

13.0 Disposal Considerations

Do not allow neat product to directly enter the surface drainage system. Before disposal of unwanted products or spillage, seek advice of the local water authorities.

14.0 Transport Information

UN Class	:	3	UN No : 2319
UN Pack. Group	:	III	
AIR			
ICAO/IATA Class - Primary	:	3	
UN Packing Group Air	:	III	
SEA			
IMDG Class - Primary	:	3	
UN Packing Group Sea	:	III	
ROAD/RAIL			
ADR/RID Class	:	3	
ADR SIN	:	III	

15.0 Regulatory Information

EEC Classification	:	IRRITANT and Dangerous to the Environment
Hazard Symbol	:	Xi, N
Risk Phrases	:	R36/38- Irritating to eyes and 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.

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15.0 Continued

Safety Phrases : S2 - Keep out of the reach of children.
: S23 - Do not breathe vapour or spray
: S24/25 - Avoid contact with skin and eyes.
: S36/37 - Wear suitable protective clothing and gloves.
: S60 - This material and its container must be disposed of
as hazardous waste
: S61 - Avoid release to the environment

16.0 Other Information/Glossary

The contents and format of this MSDS are in accordance with EEC Commission Directive 91/155/EEC.

It is the responsibility of the user to ensure safe working conditions. The health hazard and general information contained within this Material Safety Data Sheet is given as a guide to the precautions required in maintaining a safe working environment.

Revision 4, April 2002 – Environmental and general up-date.

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