MARPROZEP
INDUSTRIAL MAINTANANCE CHEMICALS

MATERIAL SAFETY DATA SHEET

GREASE MONKEY

1. Product Identification:

Trade Name	**GREASE MONKEY**
Chemical Family	Chlorinated Solvents.
Chemical Name	Formulated product.
Product use	Non-flammable electrical cleaner.
UN Number	1897

2. Composition/ Information of Ingredients:

CAS No.	**Hazardous Components**	**Approximate %**	**Limit OSHA PEL**
127-18-4	Tetrachloroethylene	25-50	25ppm
EEC classification	Harmful, Xn.		
R Phrases	R40		

3. Hazards Identification:

Main hazard	Harmful, Xn.
Fire	Non-flammable. Aerosol canister is under pressure, do not puncture or incinerate.
Inhalation	May cause headaches, nausea and dizziness.
Skin contact	May cause redness, irritation or drying of skin.
Eye Contact	May cause redness, blurred vision or tearing.
Ingestion	May cause irritation to the mucous membranes.

4. First Aid Measures:

Inhalation	Move to fresh air. Get medical help immediately.
Skin contact	Wash with soap and water.
Eye contact	Rinse with water for 15 minutes. Get medical help immediately.
Ingestion	Get medical attention immediately.

5. Fire Fighting Measures:

Extinguishing media	Foam, carbon dioxide or dry chemical.
Special hazards	None known.
Protective clothing	Full protective clothing and self-contained breathing apparatus (SCBA).

6. Accidental Release Measures:

Personal precautions	Ventilate area of leak or spill. Wear appropriate personal protective equipment.

Environmental precautions	Do not flush to sewer.
Small spills	Absorb with an inert material and put in an appropriate waste disposal.
Large spills	Absorb with an inert material and put in an appropriate waste disposal.

7. Handling & Storage:

Handling	Spray as directed and away from face. Use in ventilated areas.
Storage	Keep container tightly closed, in a cool and well-ventilated area. Avoid direct sunlight, heat sources.

8. Exposure Controls/ Personal Protection:

Use in well ventilated area.
Wear chemical resistant (e.g. PVC) gloves.
Wear chemical safety goggles.
Wear impervious protective clothing.

9. Physical and Chemical Properties:

Appearance	Maroon liquid.
pH (concentrate)	Not determined.
Density	1.080-1.240
Viscosity	Not determined.
Solubility (water)	Insoluble.

10. Stability and Reactivity:

Stability	Stable under normal conditions.
Incompatible materials	Strong oxidizers.
Hazardous decomposition	Carbon monoxide, CO.

11. Toxicological Information

Toxicity - Acute oral	LD_{50} (Rat): 2629mg/kg
Acute dermal	LD_{50} (Rabbit): >3228mg/kg
Carcinogenicity	Confirmed carcinogenic properties.
Mutagenicity	Human mutagenic effects reported.
Teratogenicity	Teratogenic effects.
Reproductive hazards	Not expected to impair fertility.

12. Ecological Information:

Aquatic toxicity - rainbow	LD_{50}: 5mg/L (96hr)
Aquatic toxicity - daphnia	LD_{50}: 18mg/L (48hr)
Aquatic toxicity - algae	The product is expected to be toxic to aquatic life.
Biodegradability	The product is expected to biodegrade.
Bioaccumulation	The product is expected to significantly bioaccumulate.

13. Disposal Considerations:

Disposal methods	Dispose of accordance with local government regulations.
Disposal of packaging	Dispose of accordance with local government regulations.

14. Transport Information:

UN Number	1897
Substance identity no	**M-1283**
ADR/RID class	Class 6.1, Harmful material, Aerosol.
IMDG – packaging group	III
Marine Pollutant	Yes.
IMO/IMDG Classification	Class 6.1, Harmful material, Aerosol.
IATA Classification	Class 6.1, Harmful material, Aerosol.

15. Regularity Information:

EEC-hazard classification	Harmful, Xn.
Risk phases	R40
Safety phases	S23, S36/37, S61

16. Other Information:

All information is given in good faith without guarantee in respect of accuracy and no responsibility shall be accepted for errors or omissions or the consequences thereof. Persons handling or affiliated with the material is urged to scrutinize this MSDS carefully to become aware and accustomed to the hazards associated with the product. Users are recommended to consult reference works or experts in the handling of any chemical substance to ensure and promote safety and environmental considerations in their field of business practice.