MARPROZEP
INDUSTRIAL MAINTANCE CHEMICALS

MATERIAL SAFETY DATA SHEET

SUPER ELEKAID

AEROSOL

2. Composition / Information on Ingredients:

Product status;	This product is a non-preparation development.		
Chemical family:	Aerosol - Electrical cleaner and degreaser		
Chemical / generic name:	SUPER-ELEKAID	Synonym:	SAFE SOLVE
Components contributing to a hazard:	Not known	CAS:	6.1
Impurities contributing to the hazard:	Not known	Hazardous substance:	Tetrachloroethylene
Classification:	Solvent blend aerosol degreaser	Hazard labelling:	Corrosive/Toxic/Ozone friendly

3. Hazards Identification:

Main hazard:	Tetrachloroethylene
Flammability:	Flammable – Contents under pressure. Do not puncture or incinerate.
Chemical hazard:	None known
Biological hazard:	Toxic – marine pollutant
Hazardous decomposition:	None known
Eye effects: eyes:	Could cause burns
Health effects - skin:	Could cause burns, poison absorption through skin
Health effects - ingestion:	Toxic
Health effects - inhalation:	Dizziness, headache, increased perspiration, slowed mental ability
Carcinogenicity:	Could cause cancer if used in unventilated area and lack of fresh air supply
Mutagenicity:	Could cause mutation if used in unventilated area and lack of fresh air supply
Neurotoxicity:	Can cause CNS failure if inhaled or ingested

4. First-Aid Measures:

Eye contact:	Wash with water – Seek immediate medical attention
Skin contact:	wash with soap and water for 15 minutes – Seek medical attention
Ingestion:	Wash down with water, milk or milk of magnesia – seek medical attention
Inhalation:	Remove person to fresh air – seek immediate medical attention
First-Aider protection:	None known
Special note to physician:	None known

5. Fire Fighting Measures:

Extinguishing media:	Use dry powder, CO^2 or foam
Specific hazards:	None known
Specific methods:	None known
Protective Clothing:	Full protective gear and mask

6. Accidental Release Measures:

Personal precautions:	Personal protective equipment recommended
Environmental precautions:	Do not flush down sewerage, storm water drain systems
Method for cleaning up:	Contain as much as possible

7. Handling and Storage:

HANDLING – Technical measures

Prevention of user exposure:	Handle with care
Prevention of fire and explosion:	Canister under pressure - Keep away from heat sources/direct sunlight
Precautions for safe handling:	Recommended PPE
Safe handling advice:	Avoid contact with incompatible materials

STORAGE – Technical measures and storage conditions

Suitable:	Unlined metal drums
To be avoided:	Do not re-use packaging
Safe storage:	Store in a cool, dark, dry place
Separation from incompatible products:	Strong acids and oxidants
Safe packaging materials:	Recommended: Packaging as supplied by MarProZep Aerosols: Canisters of 400ml, under pressure

8. Exposure Controls / Personal Protection: (Engineering measures to reduce exposure)

Limit values:	Use in well-ventilated areas	Biological standards:	Poisonous
Dated reference:	Not known	Recommended monitoring procedures:	Not known
References:	Not known	Hygiene measures:	Wash out PPE after handling

PPE (Personal protective equipment) recommendations when handling product for long periods:

Respiratory:	Mask	-	
Hand protection:	Gloves	-	
Eye protection:	Goggles	-	Recommended as per Occupational Health & Safety Regulations
Skin / body protection:	Overalls	-	
	Safety boots	-	

9. Physical and Chemical Properties:

Physical state / Main components: Solvent blend degreaser; Tetrachloroethylene, Trichloroethylene

Colour:	Colourless	Odour:	Aromatic
Form:	Liquid under pressure	pH:	None known
S.G.:	None known	Decomposition temperature:	Canister under pressure
Flashpoint:	None known	Auto-ignition temperature:	Will ignite at above 190^{O}C
Explosion properties:	None known	Vapour pressure:	1.862 kpa @20C
Density:	1.528	Solubility in water:	0.02
Radioactivity:	None known	Octano / water partition coefficient:	None known
Risk phase:	Harmful by inhalation or if swallowed; CNS depression		
Boiling point:	121^{O}C	Melting point:	C -48
Flammability:	None known	Oxidizing properties:	None known

10. Stability and Reactivity (Stability and possible hazardous reactions):

Conditions to avoid:	Avoid exposure to heat sources and confined work areas
Materials to avoid:	Incompatible with strong oxidizers, chemically active metals, Lithium, Beryllium, Sodium, Sodium Hydroxide
Hazardous decomposition products:	In case of fire, may form Carbon Monoxide and poisonous fumes

11. Toxicological Information:

Acute toxicity:	None known
Local effects:	None known
Specific effects:	Chemical burns
Sensitization:	Handle with care
Chronic toxicity:	None known
Long term toxicity:	Carcinogenous

Exposure routes: (Inhalation / eye contact / skin contact / ingestion) SEE SECTION 8 OF THIS MSDS.

12. Ecological Information: A

Mobility:	None known
Persistence / degradability:	None known
Bioaccumulation:	None known
Ecotoxicity:	Poisonous to marine organisms

NOTE: No ecological problems are expected when the product is handled per the recommended directions

Canisters under pressure, avoid sunlight

13. Disposal Considerations: I

The method of disposal shall apply to both waste from residues and contaminated packaging.

Environmental precautions:	Product is considered to be an non-environmentally friendly
Small spills:	Contain – Dispose as per local government regulations.
Large spills:	Contain - Dispose of as per local government regulations.

14. Transport Information: I

Classification s and codes for transport according to international regulations

Land:	Railroad / road	RID / ADR, DoT 49 CFR	Not known
Inland waterways:		ADNR	Class 722 16/G060
Sea:		IMDG	Marine pollutant, Class 6173.1, packaging group 3
Air:		ICAO-TI, IATA-DGR	Not known
UN Classification number:		1897	
Transport measures and precautions:		TREMCARD 1897 (6.1) (III) on quantities exceeding Exempt Quantities	
EEC hazard classification:		6.1	EAC classification: 55
NOISH No:		Not known	Hazchem Code: 2 [2]

15. Regulatory Information: A

Local regulations:	Local Transport of Dangerous Goods Regulations Occupational Health and Safety Act
Hazard and safety information as written on label.	Poisonous / Ozone Friendly Flammable - Contents under pressure. Do not puncture or incinerate

16. Other Information: I

This section references important information not elsewhere covered from safety issues; includes training needs and recommended use and possible restrictions of the product; literature references may be specified here.

RID = Regulations concerning international carriage of dangerous goods by rail
ADR = European agreement on international carriage of dangerous goods by road
DoT 49 CFR = US Dept of Transport 49 Code of Federal Regulations
ADNR = Regulations for the carriage of dangerous goods on the Rhine
IMDG code = International Maritime Dangerous Goods Code
ICAO-TI = International Civil Aviation Organization – Technical Instructions
IATA-DGR = International Air Transport Association – Dangerous Goods Regulations

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 substances to ensure and promote safety and environmental considerations in their field of business practice.

GAUTENG
25 PLANTATION ROAD
EASTLEIGH
EDENVALE, JHB
TEL: (011) 609 4107
(011) 609 4110

KWAZULU-NATAL
OLD MAIN ROAD
BOTHA'S HILL
DURBAN
TEL: (031) 765 5765
(031) 765 5048

WESTERN CAPE
96 CONAUGHT ROAD
BEACONVILLE IND.
PARROW
TEL: (021) 931 2638
(021) 931 2609