MARPROZEP
INDUSTRIAL MAINTANCE CHEMICALS

MATERIAL SAFETY DATA SHEET

SWIFT

GENERAL PURPOSE CLEANER

1. Product Identification:

Trade Name	**SWIFT-D**
Chemical Family	Liquid degreaser.
Chemical Name	Formulated product.
Product use	Multipurpose degreaser.
UN Number	3082 (Miscellaneous substances).

2. Composition/ Information of Ingredients:

CAS No.	**Hazardous Components**	**Approximate %**	**Limit**
111-76-2	Butyl oxitol	<10	25ppm TWA, 120mg/kg
EEC classification	Irritant, Xi.		
R Phrases	R36/37/38		

3. Hazards Identification:

Main hazard	Irritant, Xi.
Fire	Non-flammable
Inhalation	Causes irritation to the respiratory tract.
Skin contact	May cause irritation resulting to redness and pain.
Eye Contact	Vapours are irritating to eyes.
Ingestion	Causes irritation to the gastrointestinal tract.

4. First Aid Measures:

Inhalation	Remove to fresh air. Seek medical attention.
Skin contact	Immediately flush skin with plenty of water.
Eye contact	Flush with water. Seek medical attention.
Ingestion	Do not induce vomiting. Seek medical attention immediately.

5. Fire Fighting Measures:

Extinguishing media	Product is non-flammable, use extinguishing agents suitable for surrounding fire.
Special hazards	None Known.
Protective clothing	Use self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures:

Personal precautions	Use as directed only.
Environmental	Do not dispose of concentrate directly into sewers, storm water, or systems.

precautions	
Small spills	Mop up and dispose of as per local government regulations.
Large spills	Contain and dispose of as per local government regulations.

7. Handling & Storage:

Handling	Use a splash suite where large volumes are involved.
Storage	Keep container tightly closed in a cool dry place.

8. Exposure Controls/ Personal Protection:

Work in a well ventilated area, or use a 6300 type mask.
PVC gloves, chemical resistant gloves and nitrile gloves should be used.
Where splash is possible, use chemical safety goggles with side shields.
Wear impervious protective clothing such as one-piece overall.

9. Physical and Chemical Properties:

Appearance	Clear blue liquid.
pH (concentrate)	11.0-14.0
Density	0.98-1.03
Viscosity	12-14 seconds
Solubility (water)	Soluble in water.

10. Stability and Reactivity:

Stability	Stable under normal conditions.
Incompatible materials	Strong acids.
Hazardous decomposition	None known

11. Toxicological Information:

Toxicity - Acute oral	LD_{50} (Rat)=470mg/kg
Acute dermal	LD_{50} (Rabbit)=220mg/kg
Carcinogenicity	No evidence of carcinogenic properties.
Mutagenicity	No evidence of mutagenic effects.
Teratogenicity	No evidence of teratogenic effects.
Reproductive hazards	Not expected to impair fertility.

12. Ecological Information:

Aquatic toxicity - rainbow	LC_{50}>1000mg/L
Aquatic toxicity - daphnia	LC_{50}>1000mg/L
Aquatic toxicity - algae	IC_{50}>100mg/L
Biodegradability	Readily biodegradable.
Bioaccumulation	Not expected to bioaccumulate significantly.

13. Disposal Considerations:

Disposal methods	Flush to waste with plenty of water.
Disposal of packaging	Do not re-use packaging.

14. Transport Information:

UN Number	3082
Substance identity no	**M-D9**
ADR/RID class	Class 9: Irritant liquid.
IMDG – packaging group	III
Marine Pollutant	No
IMO/IMDG Classification	Class 9: Irritant liquid.
IATA Classification	Class 9: Irritant liquid.

15. Regularity Information:

EEC-hazard classification	Irritant, (Xi).
Risk phases	R36/37/38
Safety phases	S24/25,S36

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.