



MATERIAL SAFETY DATA SHEET

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1. PRODUCT IDENTIFICATION

Trade Name	FLUSH THRU
Description	Complex blend of surfactants and low levels of glycols

2. HAZARDOUS INGREDIENTS

Component	CAS No	Classification	Concentration
Sodium hydroxide	1310-73-2	C; R35	<0.5%
Ethoxylated Isotridecanol	-	Xn;R22. R41	<4.0%
Butyl Glycol Ether	111-76-2	Xn;R20/21/22	<2.5

3. HAZARD IDENTIFICATION

Hazard designation: not applicable –no warning symbol
Health: n/a
Environmental: n/a.

4. FIRST AID MEASURES

General information	
Inhalation	Supply fresh air; consult doctor in case of symptoms.
Skin contact	Remove contaminated clothing immediately. Wash immediately with plenty of water and soap and rinse thoroughly. If skin irritation occurs, get medical advice.
Eye contact	Rinse eyes thoroughly with plenty of water for at least 10 minutes while holding eyelids open. If symptoms persist, consult a physician.
Ingestion	Rinse out mouth and then drink plenty of water. Do not induce vomiting. Call for medical help. Do not give anything by mouth to an unconscious person.



5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT IS NOT FLAMMABLE
Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, foam or chemical powder).
Extinguishing media Not to be used	All extinguishing media can be used.
Special exposure hazards	n/a
Protective equipment	Wear approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust into tightly closable containers. Label container and dispose of as described.
Environmental considerations	Prevent the material from entering drains or watercourses. If this occurs, inform relevant water authority if spillage has entered water course or sewer or has contaminated soil or vegetation.
Further information	

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice.
Storage conditions	Store in a dry, frost free place away from sources of heat or sunlight.
Further information	Store above 5 ⁰ C at all times. Not above 30 ⁰ C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls	There are no occupational exposure limit values available.
Engineering controls	Ensure adequate ventilation of working area.
Personal protection	Observe normal standards for handling chemicals. Avoid contact with skin and eyes. Wash hands before breaks and after work. Wear protective equipment appropriate to the task (see below)
Eye protection	Safety goggles (e.g. EN 166)
Skin protection	Butyl rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Respirator if ventilation is judged to be insufficient.
Other protection	Protective overalls



9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Clear mobile liquid
Colour	Clear pale green liquid
Odour	mild sweet
pH	Ca 8
Boiling pt /range	from 100 °C
Melting pt /range	n/a
Flash point	n/a
Autoflammability	°C
Density	1.00 – 1.01
Viscosity	no data
Water solubility	fully miscible

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Conditions to avoid	Avoid strong heat
Material to avoid	water reactive substances
Hazardous reactions	No dangerous reactions known
Hazardous decompositions products	None, if storage and handling is done according to specification.

11. TOXICOLOGICAL INFORMATION

Inhalation:	not available
Oral	Repeated skin contact may cause sensitisation
Dermal	Expected to possess a low degree of acute oral toxicity LD ₅₀ >2000mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not hazardous to the environment.
Biodegradation:	This product is readily biodegradable.
Bio-accumulation:	Product is not expected to bioaccumulate.



13. DISPOSAL CONSIDERATIONS

Advice on disposal	In accordance with national and local authority regulations, e.g. hazardous waste or incineration.
Contaminated packaging	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

UK Transport Information	UK Transport Classification: Not classified
UN No.	N/R
IMDG code	Not classified
RID / ADR	Not classified
IATA	Not classified

15. REGULATORY INFORMATION

Classification & labelling	n/a
Risk phrases	May cause conjunctival irritation. May cause slight transient irritation.
Safety phrases	Keep out of reach of children. Avoid contact with skin and eyes. Wear suitable gloves.

16. OTHER INFORMATION

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties and does not establish a legally valid contractual relationship.