

MATERIAL SAFETY DATA SHEET
TRIM® CLEAN DF1

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name TRIM® CLEAN DF1
Material type Antifoam for TRIM® Cleaners
Classification/synonym(s) Antifoam/None
Product use Metal cleaning fluid antifoam
Manufacturer address MASTER CHEMICAL CORPORATION
501 West Boundary
Perrysburg, OH 43551-1200
Emergency telephone 419-874-7902 **Fax number** 419-874-0684

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOM.	CAS #	%RANGE
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The exact chemical identities and percentages of the raw materials used in TRIM® CLEAN DF1 are trade secrets. This information is being withheld as provided for in the Occupational Safety and Health Administration's Hazard Communication Rule (29 CFR 1910.1200).

3. HAZARDS IDENTIFICATION

Emergency overview White liquid
No immediate hazard
Fire may produce aldehydes, silicon dioxide, oxides of carbon, and nitrogen

POTENTIAL HEALTH EFFECTS

Acute effects of overexposure	Eye Contact	Mild irritation
	Skin Contact	Moderate irritation with prolonged or repeated contact
	Inhalation	None expected
	Ingestion	May cause gastrointestinal disturbances such as nausea, vomiting, and diarrhea

Chronic effects of overexposure Skin contact may aggravate an existing dermatitis

Product/Ingredients listed as carcinogen or potential carcinogen? **NTP Annual Report** No **IARC Monographs** No
OSHA No

Signs and symptoms of exposure None

Medical conditions generally aggravated by exposure None known

4. FIRST AID MEASURES

Emergency and first aid procedures	Eyes	Flush immediately with cool, clean water for at least 15 minutes
	Skin	Wash with mild soap and warm water
	Inhalation	Move to fresh air
	Ingestion	Do not induce vomiting; call a physician

In every case get medical attention as required

5. FIRE FIGHTING MEASURES

Flash point (test method) >212°F (100°C) **Flammable limits** Not applicable

Extinguishing media As appropriate for the surrounding fire: water (flood with water), dry chemical, CO₂, or "alcohol" foam

Special fire fighting procedures None **Unusual fire and explosion hazards** None

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled Mop up or use dry absorbent

7. HANDLING AND STORAGE

Precautions to be taken in handling and storing Avoid contact with eyes. Avoid prolonged or repeated skin contact with the concentrate. Wash thoroughly after handling. Do not swallow. Refer to container labels.

Other precautions None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection (Specify type) None normally required

Ventilation	Local exhaust	Not normally required
	Mechanical (General)	General room ventilation should be sufficient
	Special	None
	Other	None

Protective gloves Chemical resistant

Other protective equipment Rubber apron

Eye protection Safety glasses or goggles

Exposure limits None established by ACGIH or OSHA for product as whole
Refer to Section 2

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance White liquid

Odor		Mild
pH of concentrate (as range)	6.5 – 7.5	
Boiling point (ASTM D86)	208°F (98°C)	
Freezing point	32°F (0°C)	
Solubility in water	Soluble	
Specific gravity (H₂O=1)	1.010	
V.O.C. Content (EPA Method 24)	1.622 lbs/gal	
Evaporation rate (butyl acetate=1)	0.030	

10. STABILITY AND REACTIVITY

Stability	Stable	Conditions to avoid	None known
Incompatibility (materials to avoid)	Strong oxidizing agents		
Hazardous combustion or decomposition products	Thermal decomposition (fire) may produce aldehydes, silicon dioxide, oxides of carbon, and oxides of nitrogen		
Hazardous polymerization	Will not occur	Conditions to avoid	None

11. TOXICOLOGICAL INFORMATION

No data available

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Waste disposal method Must comply with local, state, and federal regulations. If pre-treatment is needed, chemical treatment or ultrafiltration may be used. Contact Master Chemical Tech Line (1-800-537-3365) for assistance.

14. TRANSPORT INFORMATION

Department of Transportation **DOT Hazard Class:** None
TRIM® CLEAN DF1 is not classified as a hazardous material by DOT.

15. REGULATORY INFORMATION

Resource Conservation and Recovery Act	EPA Hazardous Waste Number(s): None TRIM® CLEAN DF1 is not classified as a hazardous waste by EPA.
Toxic Substances Control Act	All TRIM® CLEAN DF1 ingredients are listed on the TSCA Inventory of Chemical Substances.
Superfund Amendments and Reauthorization Act of 1986	TRIM® CLEAN DF1 does not contain any Section 302/304 Extremely Hazardous Substances or Section 313 Toxic Chemicals.

16. OTHER INFORMATION

HMIS Hazard Index

NFPA Rating

(Health)	H = 1	H = 1
(Fire)	F = 1	F = 1
(Reactivity)	R = 0	R = 0
(Personal Protection)	PP = A (safety glasses)	Special hazards = none

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