

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and Log)

DR. SCAT TYPE & PLATEN CLEANER

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name DR. SCAT CHEMICAL CO.	Emergency Telephone Number (312) 354-5202
Address (Number, Street, City, State, and ZIP Code) 9600 W. OGDEN AVENUE	Telephone Number for Information (312) 354-5202
LA GRANGE, IL 60525	Date Prepared REV: 03 06/02/86
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
C.A.S. #71-56-6 1,1,1 TRICHLOROETHANE	350 ppm	350 ppm	8 HR TLV	100%

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AUG 4 1989
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ENGINEERING DEPARTMENT

Section III — Physical/Chemical Characteristics

Boiling Point	165.4°F	Specific Gravity ($H_2O = 1$)	825/25°C	1.300
Vapor Pressure (mm Hg.)	135 mmHg	Melting Point	LIQUID	-49°F
Vapor Density (AIR = 1)	4.54	Evaporation Rate (Butyl Acetate = 1)	ETHYL ETHERS = 1	0.35

Solubility in Water
NEGLIGIBLE

Appearance and Odor

CLEAR, COLORLESS LIQUID WITH ETHER-LIKE ODOR

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) NONE WHEN TESTED IN ACCORDANCE WITH D.O.T. REQUIREMENTS	Flammable Limits	LEL 7%	UEL 15%
Extinguishing Media DRY CHEMICAL OR CARBON DIOXIDE. USE WATER ONLY IN DEGREASERS WHEN ALUMINUM REACTION OCCURS.			

Special Fire Fighting Procedures

FIREFIGHTERS SHOULD WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND, SELF-CONTAINED BREATHING APPARATUS FOR POSSIBLE EXPOSURE TO HYDROGEN CHLORINE & POSSIBLE TRACES OF PHOSGENE.

Unusual Fire and Explosion Hazards

CONCENTRATED VAPORS CAN BE IGNITED BY HIGH INTENSITY HEAT SOURCE. DECOMPOSITION PRODUCES HYDROGEN CHLORIDE.

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid
	X	AVOID OPEN FLAMES, HOT GLOWING SURFACES OR ELECTRIC ARCS

Incompatibility (Materials to Avoid) AVOID CONTAMINATION WITH CAUSTIC SODA, CAUSTIC POTASH OR OXIDIZING MATERIALS. SHOCK SENSITIVE EXPLOSIVES MAY BE FORMED

Hazardous Decomposition or Byproducts

HYDROGEN CHLORIDE AND POSSIBLE TRACES OF PHOSGENE.

Hazardous Polymerization	May Occur	Conditions to Avoid
	X	NONE

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	X	X	X

Health Hazards (Acute and Chronic)

INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSANT & IRRITATION TO RESPIRATORY SYSTEM.

EYES: PAIN & IRRITATION SKIN: IRRITATION & DERMATITIS

INGESTION: AFFECTS G.I. TRACT

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
NO EVIDENCE DOCUMENTED OF INCREASED CANCER INCIDENCE IN HUMANS OR ANIMALS.			

Signs and Symptoms of Exposure INHALATION: DIZZINESS, NAUSEA, LIGHTHEADEDNESS, HEADACHE, LOSS OF COORDINATION & EQUILIBRIUM. EYES: DISCOMFORT, PAIN & IRRITATION. SKIN: IRRITATION & DERMATITIS WHEN LIQUID BECOMES TRAPPED AGAINST THE SKIN BY CONTAMINATED CLOTHING/SHOES.

INGESTION: VOMITING & NAUSEA.

Medical Conditions Generally Aggravated by Exposure NOT DOCUMENTED! "NOTE": VOMITING & SUBSEQUENT ASPIRATION INTO THE LUNGS MAY LEAD TO CHEMICAL PNEUMONIA & PULMONARY EDEMA WHICH IS A POTENTIALLY FATAL CONDITION

Emergency and First Aid Procedures INHALATION: REMOVE TO AIR FREE OF VAPORS, RESTORE/SUPPORT BREATHING. EYES: FLUSH WITH COOL WATER FOR AT LEAST 15 MINUTES. SKIN: REMOVE CONTAMINATED CLOTHING/SHOES. WASH AFFECTED AREA THOROUGHLY WITH SOAP & WATER. INGESTION: DRINK LARGE QUANTITY OF WATER TO DILUTE... DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

ELIMINATE ALL SOURCES OF IGNITION. SMALL SPILLS CAN BE CLEANED UP WITH VERMICULITE, SAWDUST OR ABSORBANT CLOTHS. PLACE IN CLOSED CONTAINERS FOR DISPOSAL. PROVIDE MAXIMUM VENTILATION.

Waste Disposal Method CONTAMINATED SAWDUST, VERMICULITE OR POROUS SURFACE MUST BE DISPOSED OF IN AN APPROVED HAZARDOUS WASTE MANAGEMENT FACILITY. MAY BE INCINERATED IN ACCORDANCE WITH LOCAL, COUNTY, STATE & FEDERAL REGULATIONS. HAZARDOUS SUBSTANCE REPORTABLE SPILL QUANTITY - ONE POUND (1.0).

Precautions to Be Taken in Handling and Storing

KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE IN OPEN, UNLABELED OR MISLABELED CONTAINERS. TRI-ETHANE VAPORS ARE HEAVIER THAN AIR.

Other Precautions

REMOVE CONTAMINATED CLOTHING/SHOES --- "DO NOT TAKE INTERNALLY!"

Section VIII — Control Measures

Respiratory Protection (Specify Type)

LARGE QUANTITIES: NIOSH/MSHA APPROVED ORGANIC VAPOR RESPIRATOR

Ventilation	Local Exhaust	Special
	SUFFICIENT TO MAINTAIN WORKPLACE CONCENTRATIONS BELOW	

Mechanical (General) OTHER PERMISSIBLE EXPOSURE LIMITS OF 350 ppm (1983 ACGIH).

Protective Gloves

LARGE QUANTITIES: POLYETHYLENE OR NEOPRENE

Eye Protection

LARGE QUANTITIES: SPLASHPROOF/GOGGLES

Other Protective Clothing or Equipment

LARGE QUANTITIES: SAFETY SHOWERS/EYE WASH STATIONS SHOULD BE READILY AVAILABLE.

Work/Hygienic Practices

WASH HANDS THOROUGHLY AFTER USE. DO NOT EAT, DRINK OR SMOKE IN PRODUCT AREA.