

MATERIAL SAFETY DATA SHEET

DAUBERT CHEMICAL COMPANY

4700 SOUTH CENTRAL AVENUE
CHICAGO, ILLINOIS 60638
TELEPHONE: (708) 496-7350
FAX: (708) 496-7367

EMERGENCY CONTACT:
CHEMTREC (800) 424-9300

HMIS HAZARD RATING

Health	1
Fire	1
Reactivity	0
Personal Protection	D

Date of Review: April 4, 2011

Revised: November 17, 2008

Date of Preparation: November 25, 2002

By: R. Lauterbach

SECTION I: CHEMICAL IDENTIFICATION

Product Name: **TECTYL® 2472 VC BLACK**
Product Code: 3070000
General or Generic ID: Water Based Rust Preventive

SECTION II: HAZARDOUS INGREDIENTS

Component	Wt%	Recommended Exposure Limits (TWA)
Water CAS #7732-18-5	31-41	None Established
Copolymer Emulsion CAS # N/A	31-41	None Established
Hydrous Magnesium Aluminum Silicate CAS #1318-59-8	11-21	None Established
Corrosion Inhibitor Blend	1-10	None Established
Magnetic Iron Oxide CAS #12227-89-3	1-9	None Established
Ethylene Glycol Monobutyl Ether CAS #111-76-2	1-6	OSHA PEL: 25 ppm (skin) ACGIH TLV: 25 ppm (skin)

SECTION III: HAZARDS IDENTIFICATION

Eye: May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin: Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and-drying and cracking of skin, burns and other skin damage. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects) Passage of this material into the body through, the skin is possible, and may add to toxic effects from breathing or swallowing. Dries out surfaces - moisture absorbed.

Swallowing: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation: Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8)

Symptoms of Exposure: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways)

Target Organ Effects: Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals, and may aggravate pre-existing disorders of these organs in humans: blood abnormalities, liver abnormalities, anemia, spleen damage, testis damage, eye damage, kidney damage, lung damage.

Developmental Information: This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

Cancer Information: May contain less than 0.1% of silica crystalline quartz (CAS #14808-60-7). IARC Monographs on the evaluations of the Carcinogenic Risk of Chemicals to Humans (Volume 42, 1987) concludes that there is "limited evidence" of the carcinogenicity of crystalline silica to humans. IARC classification 2A.

Residual vinyl chloride and vinylidene chloride monomer may be present. The ACGIH TLV for vinylidene chloride is 5 ppm, 8-hour TWA, and the STEL is 20 ppm, 8-hour TWA. The ACGIH TLV for vinyl chloride is 5 ppm. The OSHA PEL for vinyl chloride is 1 ppm, 8-hour TWA, with an action level of 0.5 ppm. Vinyl chloride is an ACGIH Confirmed Human Carcinogen and an OSHA Cancer-Suspect Agent, with a skin notation.

Other Health Effects: No data

Primary Route(s) of Entry: Inhalation, Skin absorption, Skin contact.

SECTION IV: FIRST AID MEASURES

Eyes: If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before *reuse*.

Swallowing: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, move individual away- from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians: No data

SECTION V: FIRE FIGHTING MEASURES

Flash Point: > 212 °F (100 °C) PMCC

Explosive Limit (for component): Lower 1.1 Upper 10.6

Autoignition Temperature: No data

Hazardous Products of Combustion: May form: carbon dioxide and carbon monoxide, various hydrocarbons. Nitrogen oxides, ammonia, chlorine, hydrogen chloride.

Fire and Explosion Hazards: Never use welding or cutting torch on or near drum (even empty) because product (even just residue)- can ignite explosively.

Extinguishing Media: alcohol foam, water fog.

Fire Fighting Instructions: Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

SECTION VI: ACCIDENTAL RELEASE MEASURES -

Small Spill: Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill: Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

SECTION VII: HANDLING AND STORAGE

Handling: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage: Not applicable

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection: Wear resistant gloves such as: nitrile rubber, Wear normal work clothing covering arms and legs..

Respiratory Protections: If workplace exposure limit(s) of product or any component is exceeded (See Exposure Guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control.

OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (consult your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (for component):	212 °F (100 °C) @ 760 mmHg
Vapor Pressure (for component):	17.5 mmHg @ 68 °F
Specific Vapor Density:	No data
Specific Gravity:	1.320 @ 60 °F
Liquid Density:	11.07 lbs/gal @ 77 °F 1.33 Kg/l @ 15.6 °C
Percent Volatiles (Including Water):	59
Volatile Organic Compounds (VOC) (Calculated):	(60 g/l) .5 lbs/gal
Evaporation Rate:	SLOWER THAN ETHYL ETHER
Appearance:	No data
State:	LIQUID
Physical Form:	No data
Color:	BLACK
Odor:	No data
pH:	4 - 6
Viscosity:	15 – 19 sec @ #3 @ 77 °F

SECTION X: STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.

Hazardous Decomposition: May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Chemical Stability: Stable.

Incompatibility: Avoid contact with: strong mineral acids.

SECTION XI: TOXICOLOGICAL INFORMATION

None known.

SECTION XII: ECOLOGICAL INFORMATION

None known.

SECTION XIII: DISPOSAL CONSIDERATION

Waste Management Information: Dispose of in accordance with all applicable local, state and federal regulations.

SECTION XIV: TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description: Not Regulated
Container/Mode: DRUMS/SURFACE - NO EXEMPTIONS
NOS Component: None

RQ (Reportable Quantity) - 49 CFR 172.101: Not applicable

SECTION XV: REGULATORY INFORMATION

Volatile Organic Content: (Calculated Values)

VOC per gallon: 0.22bs/gal
VOC per gallon minus water: 0.54 lbs/gal

EPA Hazardous Waste Number(s) (40 CFR Part 261): Not Applicable

EPA Hazard Category (40 CFR Part 370): IMMEDIATE (ACUTE)
DELAYED (CHRONIC)

SARA TITLE III:

This product contains the following TOXIC CHEMICALS subject to the Reporting Requirements of Sec. 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and of 40 CFR Part 372:

Chemical	CAS No.	Wt%
Ethylene Glycol Monobutyl Ether	111-76-2	1-6
Zinc Compounds	7440-66-6	<10 (as zinc)

This product contains the following EXTREMELY HAZARDOUS SUBSTANCE(S) subject to Emergency Planning Requirements under Sec. 301-303 (40 CFR Parts 300 and 355) and Emergency Release Notification Requirements under Sec. 304:

Chemical	CAS No.	Wt%	RQ/TPO Lbs
NONE			

This product contains the following (CERCLA LIST) HAZARDOUS SUBSTANCE(S) subject to Emergency Release Notification Requirements under Sec. 304 (40 CFR Part 302):

Chemical	CAS No.	Wt%	Final RQ Lbs
NONE			

CALIFORNIA PROPOSITION 65:

This product may contain trace quantities of the following chemicals that are identified by the State of California under the Safe Drinking Water and Toxic Reinforcement Act of 1986 ("Proposition 65") as either a carcinogenic or reproductive hazard:

Chemical	CAS No.	Estimated Concentration %
NONE		

SECTION XVI: OTHER INFORMATION

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.