

YOD TC 127CG-53
Done.

MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING

HEALTH	1
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	D

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Date of Preparation: March 20, 2008 Prepared by: M. Longo

SECTION 1: PRODUCT IDENTIFICATION

Product Name: TECTYL® 127 CG Gray
Chemical Family: Petroleum Solvent/Additive Blend
Material Usage: Corrosion Preventive Compound

EMERGENCY OVERVIEW: Petroleum solvent-based product with solvent odor. Combustible liquid; when product burns it releases typical hydrocarbon products of combustion. Refer to Section 3 for health effects and to Section 5 for fire hazard data.

SECTION 2: HAZARDOUS INGREDIENTS (By Weight)

Component	Wt.%	Recommended Exposure Limits
Sulfonic Acids, Petroleum, Calcium salts, overbased CAS #68783-96-0	35-45	ACGIH TLV: None Established OSHA PEL: None Established
Aliphatic Petroleum Solvent CAS #64742-88-7, and/or #64742-47-8, and/or #8052-41-3	38-42	OSHA PEL: 100 ppm ACGIH TLV: 100 ppm ACGIH STEL: 200 ppm
⁽¹⁾ Carbon Black Pigment Dispersion CAS #1333-86-4	<0.1	OSHA PEL: 3.5 mg/m ³ ACGIH TLV: 3.5 mg/m ³ ⁽²⁾ nuisance dust
Slack wax (petroleum) CAS#64742-61-6	6-12	5 mg/ m ³ TWA 10 mg/ m ³ STEL
Titanium Dioxide CAS #13463-67-7	5-10	OSHA PEL: 15 mg/m ³ (for dusts) ACGIH TLV: 10 mg/m ³ (for dusts)

⁽¹⁾ See Section 3

⁽²⁾ This component poses a hazard only if a dust is formed, i.e., by sawing, sanding, drilling, etc.

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SECTION 3: HEALTH HAZARD INFORMATION

Primary Routes of Entry: Inhalation, skin absorption.

Acute Effects: Excessive inhalation may produce dizziness, nausea, headache, and incoordination. May cause skin irritation and severe eye irritation. Prolonged skin exposure may cause dermatitis, defatting of the skin, or oil acne. Breathing mists may cause dizziness or pulmonary irritation.

Chronic Overexposure: Not determined

Carcinogenicity: Carbon Black has been classified by IARC as a Category 2B (known animal carcinogen, possible human carcinogen) material. This was based on the results of rat inhalation studies of carbon black, despite the lack of parallel evidence on humans or other animal species.

SECTION 4: FIRST AID PROCEDURES

Inhalation: Move victim to fresh air and call emergency medical care. If not breathing, give artificial respiration; if breathing is difficult, give oxygen.

Eyes: In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.

Skin: Wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the site.

Ingestion: DO NOT INDUCE VOMITING. Consult a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point: 105 °F. (TCC)

Explosive Limits: LEL: 0.6 UEL: 7.0

EXTINGUISHING MEDIA: Small Fires: Dry chemical, CO₂, water spray, or regular foam. Large Fires: Water spray, fog, or regular foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tank. Withdraw from area Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

Special Firefighting Protection/Emergency Action: Fire may produce irritating or poisonous gases. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. If runoff from fire control occurs, notify the appropriate authorities.

Unusual Fire/Explosion Hazards: Flammable/combustible material; may be ignited by heat, sparks or flames. Vapors may travel to a source of ignition and flash back. Container may explode in heat of fire. Runoff to sewer may create fire or explosion hazard.

Products of Combustion: Carbon monoxide, carbon dioxide, oxides of sulfur, miscellaneous hydrocarbons.

SECTION 6: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case Material is Released or Spilled: Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.

Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

Large Spills: Dike far ahead of liquid spill for later disposal.

SECTION 7: SAFE HANDLING INFORMATION

Precautions To Be Taken In Handling/Storage: Store in cool, well-ventilated area. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors.

Other Precautions: Never wear contaminated clothing. Launder or dry clean before wearing. Discard oil-soaked shoes. Wash thoroughly with soap and water (waterless hand cleaner may be helpful in removing residues) after use and before smoking or eating. Avoid excessive skin contact.

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SECTION 8: EXPOSURE CONTROLS

Respiratory Protection: NIOSH-approved respirator for organic vapor and mist to control exposure where ventilation is inadequate.
Ventilation: General and local exhaust.
Personal Protective Equipment: Protective Gloves: Impervious gloves (Viton, PVOH, etc.) Eye Protection: Safety glasses with side shields or chemical goggles. Other Protective Clothing or Equipment: If splashing is anticipated, wear rubber apron and boots or other protective equipment to minimize contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Gray
Color: Thixotropic Liquid
Odor: Petroleum Solvent
Boiling Point (Solvent Portion): 315 °F (157.2 °C) @ 760 mmHg
Evaporation Rate (n-Butyl Acetate=1): < 1
Vapor Pressure (mmHg @ 20°C): 2 mmHg @ 68 °F
Vapor Density (air=1): > 1 @ AIR=1
Solubility in Water: Negligible
Specific Gravity: 1.02 @ 77 °F
Weight per gallon: 8.5 lbs/gal @ 77 °F
pH: Solvent Based, Not Applicable
Percent Volatile by Volume: 52

SECTION 10: REACTIVITY HAZARD DATA

Stability: Stable
Incompatibility: Strong acids, oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of sulfur, miscellaneous hydrocarbons.
Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

SECTION 12: ECOLOGICAL INFORMATION

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with state, local and federal regulations. Materials may become a hazardous waste through use. If permitted, incineration may be practiced. Consider recycling solvent.

SECTION 14: TRANSPORTATION INFORMATION

DOT Information - 49 CFR 172.101

DOT Description: Not Regulated

WHMIS CLASSIFICATION: B2, D2B

Container/Mode: DRUMS/SURFACE - NO EXCEPTIONS
1108 Component: PETROLEUM NAPHTHA

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

SECTION 12: REGULATORY INFORMATION

Volatile Organic Content: (Calculated Values)

VOC per gallon:

3.4 lbs/gal (max)

VOC per gallon minus exempt solvents and water:

3.4 lbs/gal (max)

EPA Hazardous Waste Number(s) (40CFR Part 261):

D001

EPA Hazard Category (40CFR Part 370):

DELAYED (CHRONIC)

FIRE (COMBUSTIBLE)

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 40CFR Part 372:

CHEMICAL

CAS NO. WT %

NONE

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

CHEMICAL

CAS NO. WT % RQ/TPQ Lbs

NONE

(CERCLA LIST) This product contains the following 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

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.