



MATERIAL SAFETY DATA SHEET

FORMULA FIVE[®] Matte Top Coat

MSDS Number: F5MTC-002

Effective Date: 20 June 2011

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SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME **FORMULA FIVE[®] Matte Top Coat**
GENERIC NAME **Semi-Permanent Mold Release Agent**

MANUFACTURER **REXCO**
 P.O. Box 80996
 Conyers, Georgia 30013
 USA

TRANSPORTATION EMERGENCY:
 CHEMTREC (800) 424-9300 U.S.A. (24 hours/day)
 CHEMTREC (703) 527-3887 International (Collect calls accepted)

CUSTOMER SERVICE AND PRODUCT EMERGENCY:
 REXCO (800) 888-1060 U.S.A and Canada
 REXCO (770) 483-7610 International

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	CONCENTRATION (%)
Hydrotreated heavy naphtha	64742-48-9	75 - 85
Petroleum distillates	8052-41-3	10 - 15

SECTION 3: HAZARDS IDENTIFICATION

NFPA RATING: Health 1, Fire 3, Reactivity 0
HMIS RATING: Health 1, Fire 3, Reactivity 0
0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=HIGH, 4=EXTREME

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation with discomfort or damage.
SKIN: May cause skin irritation. Prolonged or repeated exposure may result in defatting, skin dermatitis.
INHALATION: Inhalation of hydrocarbon solvent vapors may cause respiratory tract irritation and at high levels may cause nausea, vomiting, and central nervous system depression with symptoms ranging from drunkenness to unconsciousness, narcosis, coma, respiratory failure, and death.
INGESTION: May cause drowsiness, nausea, vomiting and anemia. May cause lung damage if aspirated after swallowing.



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CHRONIC HEALTH EFFECTS: May result in irritation of mucous membranes, headache, central nervous system depression, and liver damage.

SYMPTOMS OF EXPOSURE: Symptoms of exposure through inhalation, ingestion, or direct contact with skin may include irritation of nose, throat, airways, or skin, and central nervous system depression – possibly including drowsiness and dizziness. Pre-existing eye, skin, or respiratory disorders may be aggravated by exposure to this product.

PRIMARY ROUTES OF ENTRY: Skin contact, ingestion, and inhalation.

CANCER INFORMATION: Neither this product nor any of its components is listed as a carcinogen or partial carcinogen by the following agencies: the National Toxicology Program, the International Agency for Research on Cancer, and the Occupational Safety and Health Administration.

SECTION 4: FIRST AID MEASURES

EYES: Flush immediately with cold water for 15 minutes and seek medical attention.

SKIN: Remove contaminated clothing and wash affected area with soap and hot water. If irritation from contact persists, seek medical attention. Launder contaminated clothing – including shoes – prior to reuse.

INHALATION: If light-headed or having difficulty breathing, expose individual to fresh air and/or oxygen. If breathing stops, begin artificial respiration and seek immediate medical attention.

INGESTION: Seek immediate medical attention. Only induce vomiting if directed to do so by medical personnel. If vomiting occurs spontaneously, keep victim's head below hips to prevent aspiration into lungs. If possible, do not leave victim unattended.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT / METHOD: <73 °F (22.8 °C) / Tagliabue Closed Cup method (TCC)

FLAMMABLE LIMITS IN AIR (% BY VOLUME): None Established

FIRE AND EXPLOSION HAZARDS: Low flash point. Keep work areas free of hot metal surfaces and other sources of ignition.

EXTINGUISHING MEDIA: Use dry chemicals, CO₂, water fog, water spray, or alcohol-resistant foam.

FIRE FIGHTING INSTRUCTIONS: Wear a NIOSH-approved self contained breathing apparatus in positive pressure mode and full bunker gear. Water may be unsuitable as an extinguishing media but helpful in keeping adjacent containers cool in order to prevent container rupture. Avoid spreading burning liquid with water used for cooling purposes.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL: Keep sources of ignition and hot metal surfaces isolated from spill. Persons involved in clean-up should wear personal protection equipment. Stop spill at source and prevent from spreading. Flush spilled material into suitable retaining areas or containers. Small amounts of spilled material may be absorbed with any standard absorbent. If run-off occurs, notify proper authorities as required. Place in chemical waste container and dispose of in accordance with local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

Store in a dry location at 60 - 80 °F (15 - 27 °C) and away from open flames, heat, and sparks. Do not store at temperatures above 110 °F (43 °C) to avoid vapor pressure in closed containers. Store only in areas approved for Flammable Liquid. Keep work areas free of hot metal surfaces and other sources of ignition. Keep container tightly closed when not in use.

Repacking not recommended. Repack only into high-density polyethylene (HDPE) or steel containers. Containers used for repackaging should be thoroughly tested for long-term product compatibility before use. All new containers must exhibit product labels required for proper identification, safety, handling, and storage. Empty containers may contain product residue such as vapors – continue to observe proper handling and storage precautions.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION: Safety glasses, goggles, or face shield are advised. Eye washes are recommended for work areas.

SKIN PROTECTON: Wear impervious gloves, clothing, and shoes to prevent skin contact. Safety showers are recommended for work areas. Remove contaminated clothing and wash in hot water and soap prior to reuse.

RESPIRATORY PROTECTION: Exposure levels should be kept below the PEL or TLV for this product. If exposure exceeds recommended levels, use of NIOSH-approved cartridge respirator or gas mask is advised. Engineering controls should be implemented if necessary to reduce exposure.

ENGINEERING CONTROLS: Provide sufficient general and/or local exhaust (explosion-proof ventilation) to keep exposure below PEL or TLV.

EXPOSURE GUIDELINES

COMPONENT	OSHA PEL	ACGIH TLV
Hydrotreated heavy naphtha	None Established	None Established
Petroleum distillates	500 ppm PEL/TWA	100 ppm TLV/TWA

PEL = PERMISSIBLE EXPOSURE LIMITS

TLV = THRESHOLD LIMIT VALUE

TWA = TIME WEIGHTED AVERAGE (8 HOURS)



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear Amber

ODOR: Hydrocarbon

BOILING POINT: 240 – 280 °F (115.6 – 137.8 °C)

MELTING POINT: Not Applicable

V.O.C. (BY % CALCULATION): 0.733 g/cm³

V.O.C. = VOLATILE ORGANIC CONTENT

SPECIFIC GRAVITY (H₂O=1): 0.742

EVAPORATION RATE (BUTYL ACETATE = 1) : <1

SOLUBILITY IN WATER: Insoluble

REACTIVITY IN WATER: No

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Open flames, hot surfaces, or any ignition source.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids or bases, alkali metals, halogens, and strong alkalis.

HAZARDOUS DECOMPOSITION: Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide, nitrogen monoxide and formaldehyde.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

EYES: May cause mild and temporary irritation of eyes.

SKIN: May cause irritation to skin. Repeated or prolonged exposure may cause skin dryness or cracking.

INHALATION: High concentrations may cause mild irritation of respiratory system or lungs.

INGESTION: Minimally toxic, however, may cause lung damage if aspirated after swallowing causing pneumonia.

CARCINOGENIC EFFECTS: This material is not known to cause cancer in animals or humans.

SECTION 12: ECOLOGICAL INFORMATION

Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment. Do not allow to enter ground soil, sewage or drains..



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SECTION 13: DISPOSAL CONSIDERATIONS

Waste material may be incinerated at an approved facility where permitted under appropriate Federal, State, and Local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT CLASSIFICATION: Resin Solution; 3; UN1866; Packing Group II

ICAO / IATA CLASSIFICATION: UN1866; Resin Solution; 3; Packing Group II

IMDG CLASSIFICATION: UN1866; Resin Solution; 3; Packing Group II

SECTION 15: REGULATORY INFORMATION

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT OF 1980 (CERCLA)

Components present in this product at a level which could require reporting under the statute are: NONE

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III

SARA 302: Contains no chemicals subject to SARA 302 reporting

SARA 311: Hazardous Chemical: YES

HAZARD CATEGORIES:	FIRE	YES
	REACTIVITY	NO
	SUDDEN RELEASE OF PRESSURE	NO
	IMMEDIATE RELEASE OF PRESSURE	YES
	DELAYED RELEASE OF PRESSURE	YES

OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) CLASSIFICATION: Hazardous

CALIFORNIA PROPOSITION 65: Contains no detectable quantities of Proposition 65 chemicals.

WORKPLACE HAZARDOUS MATERIAL INFORMATION SYSTEM (WHMIS) CLASSIFICATION:

Hazardous: Flammable Liquid

CHEMICAL INVENTORY: This product is not listed on regulatory inventories or listings. Components are either listed on the following chemical inventories or qualify for an exemption:

UNITED STATES	Toxic Substances Control Act (TSCA)
CANADA	Canadian Domestic Substance List (DSL)
EUROPE	European Inventory of Existing Commercial Chemical Substances (EINECS)
AUSTRALIA	Australian Inventory of Chemical Substances (AICS)
JAPAN	Existing and New Chemical Substances (ENCS)
KOREA	Existing Chemicals List (ECL)
PHILIPPINES	Philippines Inventory of Chemicals and Chemical Substances (PICCS)



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SECTION 16: OTHER INFORMATION

All information provided in this Material Safety Data Sheet is believed to be accurate and reliable. REXCO makes no warranty of any kind, express or implied, including warranties of merchantability or fitness for a particular purpose, concerning the safe use of this material in your process or in combination with other substances. Users should make their own tests and assessments as to the suitability of this product or the information contained herein for their particular purposes and uses. .

Prepared by: REXCO Product Stewardship Department