

Product Description: **Material Safety Data Sheet**
 CF5S11
 SMOKE

SPE

Section 1: Manufacturer Identification

Manufactured By: Custom-Pak Products Inc.
 N118 W18981 Bunsen Drive
 Germantown, WI 53022

Formula # 39A788N0.5
Chemtrec 24-hour Emergency Phone: (800) 424-9300
Chemtrec Foreign Emergency Phone: (703) 527-3887
Product Information Phone Number: (262) 251-6180

Date MSDS Printed & Reviewed: 03/06/15
Last Formula Revision Date: 02/19/15

MANUFACTURED FOR: (C3298)
 CERAMIFIX LLC
 641 BUCKINGHAM DRIVE

Section 2: Composition/Information on Ingredients

#	COMPONENT	CAS#	% by WT.	SARA 313	LISTED CARCINOGEN BY:		
				LISTED	NTP	IARC	OSHA
1	XYLENE	1330-20-7	20-26	Y	N	N	N
2	N-BUTYL ACETATE	123-86-4	15-21	N	N	N	N
3	*TITANIUM DIOXIDE	13463-67-7	8-10	N	N	Y	N
4	ETHYL ESTER	763-69-9	5-8	N	N	N	N
5	*ETHYLBENZENE	100-41-4	3-5	Y	N	Y	N
6	*CARBON BLACK	1333-86-4	1-3	N	N	Y	N
7	PM ACETATE	108-65-6	1-3	N	N	N	N

*See Section 15 and Section 11

Section 3: Hazards Identification

Emergency Overview: WARNING! Flammable Liquid.

Appearance/Odor: Liquid Paint / Solvent Odor

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Eye contact, skin contact, ingestion, and inhalation

Eye: Contact may cause redness, irritation, tearing, and blurred vision

Skin: Contact may dry skin causing cracks and irritation

Ingestion: May be harmful if swallowed

Inhalation: Exposure to high concentrations of vapors may cause drowsiness, breathing difficulty, respiratory irritation, or headaches. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

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Medical Conditions Aggravated by Exposure:
Asthma and other respiratory ailments.
Target Organs: Kidney Liver Lung Brain

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes. If irritation develops get medical attention.
Skin Contact: Remove contaminated clothing and wash before reuse. Wash skin with soap and water. Get medical attention if irritation develops.
Inhalation: Move to fresh air.
Ingestion: Do NOT induce vomiting. Get medical attention immediately.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media: CO2 (Carbon Dioxide), dry chemical, or water fog.
Unsuitable Extinguishing Media: Water spray may be unsuitable. However, if water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up.
Products of Combustion: These products are carbon oxides (CO,CO2).
Protection of Firefighters: Full protective equipment including self-contained breathing apparatus should be used.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.
Environmental Precautions: None known.

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Methods of Containment: Absorb spilled liquid in suitable material.
Methods of Clean-up: Use spark-proof tools to sweep or scrape up and containerize.
Other Information: Ventilate the area.

Section 7: Handling and Storage

Handling:

Prevent buildup of vapors; use with adequate ventilation. Keep from sparks, heat, flame or other heat sources.
 Keep container tightly closed while not in use.

Storage:

Store in dry, well-ventilated area and in accordance with federal, state, and local regulations. Do not expose to heat or store at temperatures above 48 C (120 F).
 If storing in cold temperatures, allow product to warm to room temperature before use.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

#	COMPONENT	ACGIH TLV-STEL	ACGIH TLV-TWA	OSHA PEL-TWA
1	XYLENE	150 ppm	100 ppm	100 ppm
2	N-BUTYL ACETATE	200 ppm	150 ppm	150 ppm
3	*TITANIUM DIOXIDE	N/E	10 mg/m ³ ppm	15 mg/m ³ ppm
4	ETHYL ESTER	100 ppm	50 ppm	N/E
5	*ETHYLBENZENE	125 ppm	100 ppm	100 ppm
6	*CARBON BLACK	N/E	3.5 mg/m ppm	3.5 mg/m ppm
7	PM ACETATE	N/E		N/E

*See Section 15 and Section 11

Engineering Controls: Provide adequate ventilation to keep air contamination below OSHA permissible exposure limits and ACGIH TLV exposure levels.

Eye/face Protection: Wear safety glasses with side shields. Have eye wash facilities immediately available.

Skin Protection: Chemical resistant gloves if contact is likely.

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Respiratory Protection: Use NIOSH-approved air-purifying respirator with organic cartridge or canister if exposure cannot be controlled within applicable limits with ventilation.

General Hygiene Considerations: Wash thoroughly after handling.

Section 9: Physical and Chemical Properties

Color: see product description

Odor: Solvent Odor

Physical State: Liquid

Freezing Point: Not established (mixture)

Boiling Range: 62 - 177 C (143 - 350 F)

Flash Point: >23 C (73 F) c.c.

Evaporation Rate: Slower than ether

Upper Flammability Limit: Not established (mixture)

Lower Flammability Limit: Not established (mixture)

Vapor Pressure: Ranging from 4 - 10 mm Hg @ 20 C (68 F)

Specific Gravity: 1.081 @15 C (60 F)

Solubility (water): Negligible

VOC Percent by weight (less exempt solvents): 52.42

HAPS Percent by weight: 25.3

Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Keep away from heat, sparks, and flames.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: by fire - Carbon Dioxide and Carbon Monoxide

Possibility of Hazardous Reactions: Will not occur.

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Section 11: Toxicological Information

#	COMPONENT	LD50 Oral	LD50 Dermal
1	XYLENE	4300 mg/kg	2000 mg/kg
2	N-BUTYL ACETATE	10768 mg/kg	17601 mg/kg
3	*TITANIUM DIOXIDE	N/E mg/kg	N/E mg/kg
4	ETHYL ESTER	5000 mg/kg	4080 mg/kg
5	*ETHYLBENZENE	3500 mg/kg	5000 mg/kg
6	*CARBON BLACK	8000 mg/kg	N/E mg/kg
7	PM ACETATE	8535 mg/kg	5000 mg/kg

*See Section 15

See Section 3 for other acute effect information.

Chronic Effects: Prolonged over-exposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems. Reports have associated the repeated and prolonged occupational OVER-EXPOSURE to solvents with brain and nervous system damage. The deliberate misuse by concentrating and inhaling the vapors may be harmful or fatal.

Carcinogenicity: See Section 2 for additional information.

* This component has been classified as a (Group 2B) possible human carcinogen based on tests on laboratory animals by one or more of the federal agencies listed in Section 2 under "LISTED CARCINOGEN BY" columns. There is inadequate evidence for cancer in exposed humans.

Section 12: Ecological Information

No data available.

Section 13: Disposal Considerations

Do not puncture, incinerate or place container in trash compactor. Dispose of product in accordance with Federal, State, and Local regulations.

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Section 14: Transportation Information**GROUND (D.O.T./49 CFR):**

I.D. Number: UN1263 Proper Shipping Name: PAINT
 Hazard Class: 3 Packing Group: III
 Hazard Label: Limited Quantity (LTD QTY) label -- see 49 CFR 172.315
 Shipping Papers format: UN1263, PAINT, 3, III, LTD QTY
 If containers have <30ml (1 fl.oz.) flammable liquid, they may be exempt from 49 CFR -
 see 49 CFR 173.4 Small Quantity Exceptions. Note that outer package needs statement:
 "This package conforms to 49 CFR 173.4 for domestic highway or rail transport only."

AIR (IATA)

I.D. Number: UN1263 Proper Shipping Name: PAINT
 Hazard Class: 3 Packing Group: III
 Hazard Labels: LTD QTY label with "Y", and Flammable Liquid label
 Packing Instruction: Y344 (Note 10L maximum per package!)
 Shipping Papers format: UN1263, PAINT, 3, III
 NOTE: Maximum quantity per package = 1L (33.8 fl.oz.)! If containers have <30ml (1 fl.
 oz.), they may qualify to be shipped as Excepted Quantity - see IATA 2.6 for details.

WATER (IMDG)

I.D. Number: UN1263 Proper Shipping Name: PAINT
 Hazard Class: 3 Packing Group: III
 Packing Instructions: P001, LP01
 Hazard Label: LTD QTY label (see IMDG 3.4.5.1)
 Ems: F-E, S-E Stowage and Segregation: Category A
 Shipping Papers format: UN1263, PAINT, 3, III, (23 C c.c.), LTD QTY
 NOTE: If containers have <30ml (1 fl. oz.), they may qualify to be shipped as an
 Excepted Quantity, see IMDG 3.5.1 for details.
 No component of this product is a listed Marine Pollutant (49 CFR 172,101,Appendix B).

Section 15: Regulatory Information**International Chemical Inventory**

All components of this product are listed on or exempt from the following inventories:
 TSCA (United States), CEPA/DSL (Canada), AICS (Australia), IECSC (China)

Section 313 Toxic Chemicals; See Section 2. Chemicals marked with a "Y" are
 subject to the SARA reporting requirements under 40 cfr 372.45(c)(5).

*California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
 This product contains chemicals known to the state of California to cause cancer
 and birth defects or other reproductive harm.

Section 16: Other Information

Hazard Scale: 0=minimal, 1=slight, 2=moderate, 3-serious, 4=severe
 HMIS(American Coatings Association's Hazardous Material Identification System):
 Health = 2 Flammability = 3 Physical Hazard = 1 Personal Protection (PPE) = X
 NFPA 704(National Fire Protection Association's Hazard Identification ratings system):
 Health = 2 Flammability = 3 Instability = 1 Special Hazard = N/A

This MSDS is based on information believed to be reliable and accurate. Because of
 changing reporting requirements and other variables it is impossible to guarantee
 the accuracy of the information contained in this document. It is the responsi-
 bility of the user to determine proper personal protection based on the actual
 condition of use and to comply with all Federal, State and Local laws and regulations.