

Safety Data Sheet

Revision Date: 01-06-2016
Product Code: 2010-003

1. IDENTIFICATION

Product Name	BI-O-PLEX FMC MACHINE RED
Product Code	2010-003
Document ID	G2010-003
Revision Number	1
Prior Version Date	None
Intended Use	Industrial Maintenance Coating
Restrictions On Use	For Industrial Use Only
Chemical Family	Acrylic Modified Alkyd
Chemical Manufacturer / Importer	JONES-BLAIR® Company, LLC 2728 Empire Central Dallas, TX 75235 1-214-353-1600
Emergency Telephone Number:	ChemTrec Center 1-800-424-9300 International: 703-527-3887

2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Hazard Pictograms



GHS Classification Carcinogenicity Category 2

Hazard Statements Suspected of causing cancer.

Precautionary Statements

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response IF exposed or concerned: Get medical attention.

Storage Store locked up.

Disposal Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards Not Otherwise Classified (HNOC) Not applicable

Additional Information

Not applicable

Safety Data Sheet

Revision Date: 01-06-2016
Product Code: 2010-003

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Component</u>	<u>CAS #</u>	<u>%</u>
Titanium dioxide	13463-67-7	0.5 - 1.5

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation	Remove individual to fresh air after an airborne exposure if any symptoms develop as a precautionary measure.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact	Wash with soap and water. Get medical attention if irritation develops or persists.
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately.

Most Important Acute Symptoms and Effects	Not Available
Most Important Delayed Symptoms and Effects	Not Available
Special treatment needed:	No additional first aid information available

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
Unsuitable Extinguishing Media	No data available
Special Protective Equipment and Precautions for Fire-Fighters	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Will not burn, no special instructions available. Use methods appropriate for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. See MSDS sections III, XIII and XV for disposal considerations.
Methods and Material for Containment and Cleaning Up	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Overexposure may be harmful. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
Conditions for Safe Storage	Store in a cool dry place. Keep container(s) closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

<u>Chemical Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH STEL</u>
---------------------------	-----------------	----------------------	-------------------

Safety Data Sheet

Revision Date: 01-06-2016

Product Code: 2010-003

Titanium dioxide	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	
------------------	---------------------------------------	--------------------------	--

Appropriate Engineering Controls	Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure.
Respiratory Protection	General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.
Eye Protection	Wear safety glasses with side shields when handling this product.
Skin Protection	Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact.
General Hygiene Conditions	As with all chemicals, good industrial hygiene practices should be followed when handling this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Liquid
Color	Red
Odor	No data available
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point (F/°C)	No data available / No data available
Initial Boiling Point and Boiling Range Low (F)	No data available
Flammability (solid, gas)	No data available
Upper Flammable/Explosive Limit	No data available
Lower Flammable/Explosive Limit	No data available
Vapor Density	No data available
Relative Density	1.110
Solubility in Water	Complete; 100%
Partition coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature:	No data available
Viscosity	70 - 90 KU
Volatiles, % by volume	66.23
Volatiles, % by weight	59.33
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	91.98
(Actual, Calculated)	34.46
Density	9.06 - 9.46 lbs./Gal

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	No data available

11. TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation Skin contact Eye contact
--------------------	---

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.
------------------------------	---

Safety Data Sheet

Revision Date: 01-06-2016
Product Code: 2010-003

Long-Term (Chronic) Health Effects Carcinogenicity

Contains Titanium Dioxide which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence with respect to humans and sufficient evidence in experimental animals.

Product Toxicology Data

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide	Oral LD50 Rat > 25,000 mg/kg	Dermal LD50 Rabbit > 10,000 mg/kg	Inhalation LC50 (4h) Rat > 6.82 mg/L

Carcinogen Information

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
Titanium dioxide	2B		

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available)	No data available
Mobility in soil	No data available

13. DISPOSAL CONSIDERATIONS

Safe Handling of Waste Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

DOT Basic Description: Paint, Not-Regulated

Marine Pollutant: No

15. REGULATORY INFORMATION

TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

Regulated Components

<u>SARA EHS Chemicals</u>	<u>CAS #</u>	<u>%</u>
Not applicable		

CERCLA
Not applicable

SARA 313
Not applicable

SARA 311/312
Health (Acute): Y
Health (chronic): Y

Safety Data Sheet

Revision Date: 01-06-2016
Product Code: 2010-003

Fire (Flammable): N
Pressure: N
Reactivity: N

U. S. State Regulations:

California Prop 65 Chemicals

Cancer

Titanium dioxide

<u>CAS #</u>	<u>%</u>
13463-67-7	0.5 - 1.5
14808-60-7	0.01 - 0.1

Crystalline Silica

Reproductive

Not applicable

Canadian Regulations:

CEPA DSL:

The components of this product ARE listed on the Canadian Domestic Substances List.

WHMIS Hazard Class:

D2A

16. OTHER INFORMATION

Revision Date

01-06-2016

Disclaimer

This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.