



MATERIAL SAFETY DATA SHEET

(Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept. of Labor)
Form approved OMB No. 1218-0072
OSHA 174 - September 1985

HMIS RATING

HEALTH	
FLAMMABILITY	
REACTIVITY	

IDENTITY:

FC-3, FC-8 & FC-16

COPPER FLAKE

NFPA RATING

HEALTH	1
FLAMMABILITY	1
REACTIVITY	1

Marketer's Name Must Appear Below

DOT Shipping

Consumer Commodity ORM-D

Manufacturer's Name

Plastic Process Equipment, Inc.

Emergency Telephone Number

1-800-535-5053

Address

8303 Corporate Park Drive

Telephone Number for Information

1-216-367-7000

Macedonia, Ohio 44056

Date Prepared

06/27/07

Section 2- Hazardous Ingredients/Identity Information

Hazardous Components

(Specific Chemical Identity, Common Name(s))

Chemicals listed below are in PPM unless stated otherwise

	OSHA		ACGIH TLV		% Composition
	TWA	STEL	TWA	STEL	
	Petroleum Oil (64741-96-4)	N/A	N/A	N/A	
Graphite Powder (7782-42-5)	N/A	N/A	N/A	N/A	1 - 5
Copper Powder (7440-50-8)	N/A	N/A	N/A	N/A	5 - 10
Proprietary Components	N/A	N/A	N/A	N/A	0.5 - 47

Above chemicals are considered be non hazardous.

All chemical compounds marked with an asterisk () are toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet.

Section 3- Physical/Chemical Characteristics

Boiling Point (Range)	Does Not Apply	Specific Gravity (H ₂ O = 1)	1.29
Vapor Pressure @ 70°F	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Insoluble	Appearance and Odor	Copper color soft / Petroleum Odor

Section 4- Fire and Explosion Hazard Data

Flash Point (Method Used)	420 °F COC	Flammable Limits	LEL	None	UEL	None
Extinguishing Media	Water fog, carbon dioxide, foam, dry chemical.					
Special Fire Fighting Procedures	Will not burn unless preheated. Water may be ineffective, but can be used to cool containers exposed to heat or flame. Water may cause frothing.Treat as an oil fire. Use self contained breathing apparatus.					
Unusual Fire and Explosion Hazards	None					

Section 5- Reactivity Data

Stability	Unstable		Conditions to Avoid High Temperatures
	Stable	X	
Incompatibility (Materials to Avoid) Strong oxidizers, welding.			
Hazardous Decomposition or Byproducts In fire, will decompose to CO ₂ , CO, Trace metallic oxides.			
Hazardous Polymerization	May Occur		Conditions to Avoid None.
	Will not Occur	X	

Section 6- Health Hazard Data

Route(s) of Entry	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute & Chronic) May cause irritation to eyes and skin to sensitive individuals.			
Carcinogenicity Presently, not on any list.	NTP?	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure Inhalation- Difficulty in breathing. Skin- Redness. Ingestion- Vomiting.			
Medical Conditions Generally Aggravated by Exposure Generally aggravated by exposure: Personnel with pre-existing skin disorders.			
Emergency and First Aid Procedures Give oxygen. Do not induce vomiting, keep warm. Wash eyes and skin for 15 minutes. Get medical help.			

Section 7- Precautions for safe handling and use

Steps to be Taken in Case Material is Released or Spilled	Use diatomaceous earth or inert material to soak up material. Put into container.
Waste Disposal Method	Dispose as hazardous waste in accordance with EPA RCRA.
Precaution to be Taken in Handling and Storing	Keep away from heat, sparks, or open flame.
Other Precautions	None.
NFPA 30B Level	

Section 8- Control measures

Respiratory Protection (Specific Type) Normally not needed.			
Ventilation	Local Exhaust Yes	Special None	
	Mechanical (General) None	Other None	
Protective Gloves Neoprene or Nitrile rubber gloves are recommended.	Eye Protection Safety glasses or goggles.		
Other Protective Clothing or Equipment Apron and chemically resistant boots are recommended.			
Work/Hygienic Practices Wash hands after use. Discard contaminated leathergloves and shoes. Standard methods			