

MATERIAL SAFETY DATA SHEET

Page 1 of 4

FERRO Code Number: 33-58000

MSDS Rev.: 06-APR-1999

MSDS Print Date: 06/05/00

SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: RED
CAS Number MIXTURE
Hazard Rating: Health: 1 Fire: 1 Reactivity: 0 PPI: X

Company Identification: Ferro Corporation
L. C. & D. Division
54 Kellogg Court
Edison NJ 08817

Contact: Dave Malysa
Telephone/Fax: 732-287-1930 732-287-1943
Emergency Phone (24 Hour): FERRO'S Emergency Telephone
1-216-641-5324
Chemtrec (24 Hour): 1-800-424-9300
Preparer: Dave Malysa
Regulatory & Environmental Affairs

Trade Name RED

SECTION II - HAZARDOUS INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
C.I. Pigment Red 48:2	7023-61-2	15 - 40	Y

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory

SECTION III - PHYSICAL DATA

Boiling Point: Not Available
Vapor Pressure (mmHg): 1.@ 68.°F
Evaporation Rate:
% Volatile Weight: Not Applicable
% Volatile Volume: Not Applicable
Specific Gravity: 1.132

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class
Flash Point: 198.°F
Pensky-Martens Closed Cup ASTM D 93
Explosive Range: Not Available

FERRO Code Number: 33-58000

MSDS Rev.: 06-APR-1999

EXTINGUISHING MEDIA:

Use foam, carbon dioxide or dry chemical

SPECIAL FIREFIGHTING PROCEDURES

Extinguish flame from perimeter inward to main body of
Extinguisher Media: ABC Extinguisher, Carbon Dioxide, Foam
Special fire fighting procedures:

Water or foam may cause frothing when applied to liquids with
flash points above 100 degrees C. The frothing may be violent
and endanger the life of the firefighter particularly when
solid streams are directed into the hot burning liquid.

ESTER POLYOL: Firefighters must be equipped to prevent
ing of vapors or products of combustion. Wear an appropriate
contained breathing apparatus and protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS:**SECTION V - HEALTH HAZARD DATA****PERMISSIBLE EXPOSURE LEVEL:**

See Section VIII.

FIRST AID:

INHALATION: If inhaled, move individual to fresh air. Keep
comfortably warm but not hot. Use oxygen if necessary and
respiration as required. See a physician if irritation
is present or persists.

SKIN: In case of contact, remove contaminated clothing
thoroughly with soap & plenty of water. See a physician if
irritation is present or persists. Launder contaminated
clothing before reuse.

EYE: Immediately flush eyes with plenty of water for
15 minutes and get prompt medical attention.

INGESTION: If swallowed, call a physician immediately.
Vomiting only at the instructions of a physician.
Never give anything by mouth to an unconscious person.

SECTION VI - STABILITY AND REACTIVITY DATA

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization

INCOMPATIBILITY:

ESTER POLYOL: Strong oxidizers such as hydrogen peroxide,
bromine, and chromic acid.

CONDITIONS TO AVOID:

Keep materials with ester polyol from strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion will produce carbon dioxide and carbon monoxide

SECTION VII - SPILL OR LEAK PROCEDURES

MATERIAL SAFETY DATA SHEET

FERRO Code Number: 33-58000

MSDS Rev.: 06-APR-1999

MSD

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Confine spill. Transfer to secure containers where necessary. Collect using absorbent media. Flush area with hot water and detergent.

WASTE DISPOSAL METHOD:

Dispose of in accordance with Federal, State and Local regulations.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH TLV ACGIH TLV-C ACGIH STEL OSHA PEL

C.I. Pigment Red 48:2

N/est N/est N/est N/A

RESPIRATORY PROTECTION:

Where dust may be present, an approved NIOSH/MSHA dust respirator is recommended.

VENTILATION:

Mechanical Ventilation Suggested.

PROTECTIVE GLOVES:

Chemical workers gloves is recommended.

EYE PROTECTION:

Chemical goggles as needed to prevent eye contact.

OTHER PROTECTIVE EQUIPMENT:

Practice good hygiene, wash hands and face before eating or smoking. Launder clothing before reuse.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid contact with eyes, skin, clothing. Avoid breathing dust or spray. Use with good ventilation. Wash thoroughly after use. Store in cool, dry area in closed containers away from incompatible materials. Store away from sunlight, heat, sparks and open flames. Do not smoke in work area. Do not store near food or feed.

OTHER PRECAUTIONS:

Since emptied containers retain product residues (vapor, dust, solid), all hazard precautions listed in the MSDS should be observed.

SECTION X - REGULATORY INFORMATION

DISCLAIMER:

The information and recommendations contained in this Material Safety Data Sheet are based on the information available to us at the time of printing.

MATERIAL SAFETY DATA SHEET

0

MS

led from sources believed to
onable current opinion on the
warranty, guaranty or repres
or sufficiency of the inform
decide what safety measures a
either alone or in combination
s environmental regulatory co
licable federal or state laws.