

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/03/2005

Reviewed on 01/03/2005

1 Identification of substance

Trade name: MRO BULK RED OX. PRIMER

Product code: 0000011407F

Manufacturer/Supplier: SEYMOUR OF SYCAMORE
917 Crosby Avenue
Sycamore, IL 60178
(815)-895-9101, www.seymourpaint.com

Information department: Health & Safety Department

Emergency information: CHEMTEL 1-800-255-3924, 813-248-0585 if located outside the U.S.



2 Composition/Data on components

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:

| | | | |
|-------------|--------------------------------------|---------------------|--------|
| 1317-65-3 | Calcium Carbonate | R Xi; R 36/37/38 | 32.08% |
| 64742-47-8 | Mineral Spirits | R Xn, R F; R 11-65 | 14.06% |
| 557-05-1 | zinc distearate, pure | R Xi; R 37 | 5.6% |
| 1309-37-1 | red iron oxide pigment | R Xi; R 36/37 | 3.34% |
| 112926-00-8 | Silicone Dioxide Amorphous Synthetic | R Xi; R 37 | 2.96% |
| 108-65-6 | PM acetate | R Xi; R 10-36 | 2.72% |
| 1330-20-7 | xylene (mix) | R Xn; R 10-20/21-38 | 1.52% |
| 13463-67-7 | titanium dioxide | R Xi; R 37 | 1.27% |
| 64742-89-8 | VM&P Naptha | R Xn; R 20/22 | 1.17% |

Additional information: For the wording of the listed risk phrases refer to section 3.

3 Hazards identification

Hazard description:

Xn Harmful
R N F Highly flammable

Physical dangers:

R 11 Highly flammable.
R 36/37/38 Irritating to eyes, respiratory system and skin.
R 65 Harmful: may cause lung damage if swallowed.

Effects of short-term overexposure:

Causes irritation to the eyes, nose, throat, skin, and central nervous system. Symptoms may include dizziness, throat irritation, headache, fatigue, swelling of eyes, and nausea.

Effects of chronic overexposure:

May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

NFPA ratings (scale 0 - 4): Health- 2
Flammability- 3
Reactivity- 0

HMIS-ratings (scale 0 - 4): Health- 2
Flammability- 3
Physical Hazard- 0

4 First aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Contact physician or poison control center.

5 Fire fighting measures

Extinguishing agents: CO₂, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required.

6 Accidental release measures

Personal safety precautions: Wear protective equipment. Keep unprotected persons away.

(Contd. on page 2)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/03/2005

Reviewed on 01/03/2005

Trade name: MRO BULK RED OX. PRIMER

(Contd. of page 1)

Environmental safety precautions:

Do not allow product to reach sewage systems or ground water.
Prevent seepage into sewage system, workpits and cellars.
Inform appropriate authorities in case of seepage into water course or sewage system.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with inert absorbent material. Refer to section 13 for disposal information.

7 Handling and storage

Safe handling information:

Prevent formation of aerosols.

Fire/explosion protection:

Do not smoke. Protect from electrostatic charges.

Storage requirements:

Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions.

8 Exposure controls and personal protection:

Components with limit values that require monitoring at the workplace:

1317-65-3 Calcium Carbonate

| | |
|-----|---|
| PEL | 15*; 5** mg/m ³ *Total dust **Respirable fraction |
| REL | 10*; 5** mg/m ³ *Total dust **Respirable fraction |
| TLV | 10 mg/m ³ (e) |

64742-47-8 Mineral Spirits

| | |
|-----|--|
| TLV | 200 mg/m ³ As total hydrocarbon vapor; Skin; (P) |
|-----|--|

557-05-1 zinc distearate, pure

| | |
|-----|---|
| PEL | 15*; 5** mg/m ³ *Total dust **Respirable fraction |
| REL | 10*; 5** mg/m ³ *Total dust **Respirable fraction |
| TLV | 10 mg/m ³ |

112926-00-8 Silicone Dioxide Amorphous Synthetic

| | |
|-----|---|
| PEL | Short-term value: 80 mg/m ³ as % SiO ₂ |
| REL | 6 mg/m ³ |
| TLV | 10 mg/m ³ (e) |

1330-20-7 xylene (mix)

| | |
|-----|--|
| PEL | 435 mg/m ³ , 100 ppm |
| REL | Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm (o-, m-, & p-isomers) |
| TLV | Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI |

Protective hygienic measures:

Keep away from foodstuffs and animal feed. Wash hands after use.

Breathing equipment:

A respirator is generally not necessary when using this product outdoors or in large open areas. In cases of inadequate ventilation, a respiratory protective device should be worn to prevent overexposure.

Protection of hands:

Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties:

General Information:

| | |
|---------------|---|
| Form: | Liquid liquid |
| Color: | According to trade name description in section 1. |
| Odor: | Solvent |

(Contd. on page 3)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/03/2005

Reviewed on 01/03/2005

Trade name: MRO BULK RED OX. PRIMER

(Contd. of page 2)

| | |
|--|--|
| Boiling point/Boiling range: | 116°C (241°F) |
| Flash point: | -19°C (-2°F) |
| Ignition temperature: | 210.0°C (410°F) |
| Auto igniting: | Product is not self-igniting. |
| Danger of explosion: | In use, may form flammable/explosive vapour-air mixture. |
| Lower Explosion Limit: | 0.5 Vol % |
| Upper Explosion Limit: | 6.5 Vol % |
| Density: | Not determined. |
| VOC content: | 0.20 kg/l / 1.67 lb/gl |
| VOC in weight percent (less acetone): | 20.0 % |
| Solids content: | 78.6 % |

10 Stability and reactivity:**Conditions to be avoided:** No decomposition if used according to specifications.**Possibility of Hazardous****Reactions:** No dangerous reactions known.**11 Toxicological information:****Primary effect on the skin:** Irritant to skin and mucous membranes.**Primary effect on the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.**12 Ecological information****Other information:** This product does not contain any chloroflouorocarbons (cfc's),chlorinated solvents, or lead. No specific ecological data is available for this product.**13 Disposal considerations****DISPOSAL METHOD:** Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans cannot be disposed of with regular trash. Do not heat or cut empty containers with electric or gas torches.**Recommendation:** Empty cans should be recycled.**14 Transport information:**

| | |
|-------------------------------|-----------------------------------|
| Hazard class: | 3 |
| Identification number: | UN1263 |
| Label | 3 |
| ADR/RID class: | 3 Flammable liquids |
| UN-Number: | 1263 |
| IMDG Class: | 3 |
| Packaging group: | II |
| EMS Number: | F-E,S-E |
| Marine pollutant: | No |
| ICAO/IATA Class: | 3 |
| Propper shipping name: | PAINT Consumer Commodity ORM-D |

15 Regulations**SARA Section 355 (extremely hazardous substances):**

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

1330-20-7 | xylene (mix)

TSCA (Toxic Substances**Control Act):** All ingredients are listed.**PROPOSITION 65 Chemicals known to cause cancer:**

100-41-4 | ethyl benzene

PROPOSITION 65 Chemicals known to cause reproductive toxicity:

None of the ingredients in this product are listed.

(Contd. on page 4)

USA

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/03/2005

Reviewed on 01/03/2005

Trade name: MRO BULK RED OX. PRIMER

(Contd. of page 3)

Canadian WHMIS: This product has been classified according to the Controlled Product Regulations and the msds contains all the necessary information required by the CPR.
EPA: Class B, Division D2---FLAMMABLE LIQUIDS
 A= Known human carcinogen B= Probable human carcinogen
 C= Possible human carcinogen
 D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

| | | |
|-----------|-----------------------|---|
| 557-05-1 | zinc distearate, pure | D |
| 1330-20-7 | xylene (mix) | D |

IARC: Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.
 Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

| | | |
|-------------|--------------------------------------|---|
| 1309-37-1 | red iron oxide pigment | 3 |
| 112926-00-8 | Silicone Dioxide Amorphous Synthetic | 3 |
| 1330-20-7 | xylene (mix) | 3 |
| 13463-67-7 | titanium dioxide | 3 |

ACGIH TLVs: A1-designates a confirmed human carcinogen.
 A2-designates a suspected human carcinogen.
 A3-designates an animal carcinogen.
 A4-designates "not classifiable as a human carcinogen".

| | | |
|------------|------------------------|----|
| 1309-37-1 | red iron oxide pigment | A4 |
| 1330-20-7 | xylene (mix) | A4 |
| 13463-67-7 | titanium dioxide | A4 |

NIOSH:

| | |
|------------|------------------|
| 13463-67-7 | titanium dioxide |
| 1333-86-4 | Carbon black |

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Contact: Craig Swafford, Regulatory Affairs. Email: cswafford@seymourpaint.com