

Safety Data Sheet

Printing date 01/09/2019

Revised On 04/05/2018

1 Identification of the substance and Distributor

Trade name: RED IRON OXIDE PRIMER

Product code: Recommended 0006201407, MRO88ROP

use: Paint and coating applications. #MRO88ROP PAGE 1 OF 4

Uses advised against: Any that differs from the recommended use.

Supplier: 1st Ayd Corporation
1325 Gateway Drive
Elgin, IL 60124
phone: 847-622--0001

Emergency telephone number: 800-255-3924

2 Hazard(s) identification

Classification of the substance or mixture

Flam. Aerosol 1 H222 Extremely flammable aerosol.

Press. Gas H280 Contains gas under pressure; may explode if heated.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

GHS Hazard pictograms



GHS02 GHS04 GHS07 GHS08

Signal word

Danger

Hazard statements

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary statements

May cause damage to organs through prolonged or repeated exposure.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a poison center/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
Store in a well-ventilated place.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

Chemical characterization: Mixtures

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

Dangerous components:

| | | |
|------------|-------------------|--------|
| 67-64-1 | Acetone | 23.94% |
| 74-98-6 | propane | 12.6% |
| 110-19-0 | Isobutyl Acetate | 11.77% |
| 106-97-8 | n-butane | 7.4% |
| 64742-89-8 | VM&P Naphtha | 5.74% |
| 64-17-5 | ethyl alcohol | 3.75% |
| 14807-96-6 | Talc | 3.58% |
| 123-86-4 | butyl acetate | 2.74% |
| 108-65-6 | PM acetate | 2.67% |
| 64742-47-8 | Mineral Spirits | 2.07% |
| 67-63-0 | Isopropyl Alcohol | 1.25% |

4 First-aid measures

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

After skin contact: Remove contaminated clothing. Wash exposed area with soap and water.

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

After swallowing: Rinse out mouth and then drink plenty of water.
Rinse mouth with water. Do not induce vomiting.

Most important symptoms and effects: Dizziness

Indication of any immediate medical attention needed: No further relevant information available.

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5 Fire-fighting measures

Extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
Special hazards: Can form explosive gas-air mixtures.
Protective equipment for firefighters: A respiratory protective device may be necessary.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol.
Methods and material for containment and cleaning up: Ensure adequate ventilation.

7 Handling and storage

Precautions for safe handling: Use only in well ventilated areas.
Storage requirements: Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

8 Exposure controls/personal protection**Components with limit values that require monitoring at the workplace:****67-64-1 Acetone**

REL (USA) Long-term value: 2400 mg/m³, 1000 ppm
REL (USA) Long-term value: 590 mg/m³, 250 ppm
TLV (USA) Short-term value: 1187 mg/m³, 500 ppm
Long-term value: 594 mg/m³, 250 ppm
BEI

74-98-6 propane

REL (USA) Long-term value: 1800 mg/m³, 1000 ppm
REL (USA) Long-term value: 1800 mg/m³, 1000 ppm
TLV (USA) refer to Appendix F in TLVs&BEIs book; D, EX

110-19-0 Isobutyl Acetate

REL (USA) Long-term value: 700 mg/m³, 150 ppm
REL (USA) Long-term value: 700 mg/m³, 150 ppm
TLV (USA) Short-term value: 712 mg/m³, 150 ppm
Long-term value: 238 mg/m³, 50 ppm

106-97-8 n-butane

REL (USA) Long-term value: 1900 mg/m³, 800 ppm
TLV (USA) Short-term value: 2370 mg/m³, 1000 ppm
(EX)

64-17-5 ethyl alcohol

REL (USA) Long-term value: 1900 mg/m³, 1000 ppm
REL (USA) Long-term value: 1900 mg/m³, 1000 ppm
TLV (USA) Short-term value: 1880 mg/m³, 1000 ppm

123-86-4 butyl acetate

REL (USA) Long-term value: 710 mg/m³, 150 ppm
REL (USA) Short-term value: 950 mg/m³, 200 ppm
Long-term value: 710 mg/m³, 150 ppm
TLV (USA) Short-term value: 712 mg/m³, 150 ppm
Long-term value: 238 mg/m³, 50 ppm

108-65-6 PM acetate

WEEL (USA) Long-term value: 50 ppm

67-63-0 Isopropyl Alcohol

REL (USA) Long-term value: 980 mg/m³, 400 ppm
REL (USA) Short-term value: 1225 mg/m³, 500 ppm
Long-term value: 980 mg/m³, 400 ppm
TLV (USA) Short-term value: 984 mg/m³, 400 ppm
Long-term value: 492 mg/m³, 200 ppm
BEI

Ingredients with biological limit values:**67-64-1 Acetone**

BEI (USA) 50 mg/L
Medium: urine
Time: end of shift
Parameter: Acetone (nonspecific)

67-63-0 Isopropyl Alcohol

BEI (USA) 40 mg/L
Medium: urine
Time: end of shift at end of workweek
Parameter: Acetone (background, nonspecific)

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

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Breathing equipment: Immediately remove all soiled and contaminated clothing.
Wash hands after use.
Avoid contact with the eyes and skin.
Do not eat or drink while working.
A respirator is generally not necessary when using this product outdoors or in large open areas.
In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

Hand protection: Nitrile gloves.
The glove material must be impermeable and resistant to the substance.

Eye protection: Tightly sealed goggles

9 Physical and chemical properties

Appearance: Aerosol.
Odor: Aromatic
Odor threshold: Not determined.
pH-value: Not determined.
Melting point/Melting range Undetermined.
Boiling point: -44 °C (-47.2 °F)
Flash point: -19 °C (-2.2 °F)
Flammability (solid, gas): Extremely flammable.
Decomposition temperature: Not determined.
Auto igniting: Product is not self-igniting.
Danger of explosion: In use, may form flammable/explosive vapour-air mixture.
Lower Explosion Limit: 1.7 Vol %
Upper Explosion Limit: 10.9 Vol %
Vapor pressure: Not determined.
Relative Density: Between 0.77 and 0.85 (Water equals 1.00)
Vapor density Not determined.
Evaporation rate Not applicable.
Partition coefficient: n-octonal/water: Not determined.
Solubility: Not determined.
Viscosity: Not determined.
Water: 0.0 %

10 Stability and reactivity

Reactivity: Stable at normal temperatures.
Conditions to avoid: Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.
Chemical stability: Not fully evaluated.
Possibility of hazardous reactions: No dangerous reactions known.
Incompatible materials: No further relevant information available.
Hazardous decomposition: No dangerous decomposition products known.

11 Toxicological information**LD/LC50 values that are relevant for classification:****110-19-0 Isobutyl Acetate**

| | | |
|------|------|-------------------|
| Oral | LD50 | 4,763 mg/kg (rbt) |
|------|------|-------------------|

106-97-8 n-butane

| | | |
|------------|----------|----------------|
| Inhalative | LC50/4 h | 658 mg/l (rat) |
|------------|----------|----------------|

64-17-5 ethyl alcohol

| | | |
|------------|----------|-------------------|
| Oral | LD50 | 7,060 mg/kg (rat) |
| Inhalative | LC50/4 h | 20,000 mg/l (rat) |

123-86-4 butyl acetate

| | | |
|------------|----------|--------------------|
| Oral | LD50 | 14,000 mg/kg (rat) |
| Inhalative | LC50/4 h | >21 mg/l (rat) |

108-65-6 PM acetate

| | | |
|------------|----------|-------------------|
| Oral | LD50 | 8,500 mg/kg (rat) |
| Inhalative | LC50/4 h | 35.7 mg/l (rat) |

67-63-0 Isopropyl Alcohol

| | | |
|------------|----------|--------------------|
| Oral | LD50 | 4,570 mg/kg (rat) |
| Dermal | LD50 | 13,400 mg/kg (rab) |
| Inhalative | LC50/4 h | 30 mg/l (rat) |

Information on toxicological effects: No data available.
Skin effects: No irritant effect.
Eye effects: Irritating effect.
Sensitization: No sensitizing effects known.

12 Ecological information

Aquatic toxicity: Hazardous for water, do not empty into drains.
Persistence and degradability: The product is degradable after prolonged exposure to natural weathering processes.

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Other information: This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), heavy metals (chromium, lead, cadmium), or chlorinated solvents.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

Recommendation: Completely empty cans should be recycled.

14 Transport information

| | |
|--------------------------------------|--|
| UN-Number | UN1950 |
| DOT | N/A |
| DOT | Consumer Commodity ORM-D |
| ADR | Aerosols, flammable |
| Transport hazard class(es): | 1950 Aerosols |
| Class | 2.1 |
| Marine pollutant: | No |
| Special precautions for user: | Warning: Gases |
| EMS Number: | F-D,S-U |
| Stowage Code | SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. |
| Segregation Code | SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. |
| Quantity limitations | On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg |
| <hr/> | |
| ADR | |
| Excepted quantities (EQ) | Code: E0 Not permitted as Excepted Quantity |
| <hr/> | |
| IMDG | |
| <hr/> | |
| Limited quantities (LQ) | 1L |
| Excepted quantities (EQ) | Code: E0 Not permitted as Excepted Quantity |
| Packaging Group: | -- |
| UN "Model Regulation": | UN 1950 AEROSOLS, 2.1 |

15 Regulatory information**SARA Section 355 (extremely hazardous substances):**

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

67-63-0 | Isopropyl Alcohol

Toxic Substances Control Act (TSCA):

All hazardous ingredients for this product are found on the inventory list of substances.

Consumer Product Safety Commission (CPSC):

This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

California Proposition 65 chemicals known to cause cancer:

13463-67-7 | titanium dioxide

1333-86-4 | Carbon black

108-10-1 | methyl isobutyl ketone

100-41-4 | ethyl benzene

California Proposition 65 chemicals known to cause birth defects or reproductive harm:

67-56-1 Methanol

108-10-1 | methyl isobutyl ketone

CANADIAN ENVIRONMENTAL PROTECTION ACT:

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

EPA:

67-64-1 | Acetone

110-19-0 | Isobutyl Acetate

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16 Other information

Contact: Regulatory Affairs