

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY:

Red Rhino

Section I

Monroe Rubber and Plastics, Inc.

720 Detroit Ave

Monroe, Michigan, 48162

Emergency Telephone Number 800-521-0109

Telephone Number for Information 734-241-7101

Date Prepared 3-5-2000

Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))

Urethane Foam

OSHA PEL

ACGIH TLV

CAS No.

N/A

100%

Primary Routes of Exposure:

Routes of entry for solids and liquids include eye and Skin contact, ingestion and inhalation. Routes of entry for gases, Include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute Overexposure Effects:

Overexposure to dusts from the foam may cause mechanical irritation of the eyes, skin and respiratory tract. Burning of Polyurethane foams may result in the generation of combustion products including, CO, CO₂, and hydrogen cyanide. Inhalation of these and other chemicals may result in severe irritation, difficulty breathing, asphyxiation and unconsciousness.

Chronic Overexposure Effects:

In a lifetime inhalation study, pulmonary lesions and lung cancer were reported in rats exposed to 3.6 mg/m³ and 20 mg/m³ polyurethane dust. A later inhalation study failed to show any adverse effects at 20 mg/m³, other than lung inflammation.

Other Overexposure Effects:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure To this product. Please refer to Section 5 (Effects of Overexposure) for effects observed in animals.

Section 3 - Physical/Chemical Characteristics

Boiling Point N/A Specific Gravity (H₂O = 1) .44 - .46

Vapor Pressure (mm Hg) N/A Melting Point N/A

Vapor Density (AIR = 1) N/A Evaporation Rate (Butyl Acetate = 1) N/A

Solubility in Water Slightly Soluble

Appearance and Odor Solid and Amine

Section 4 - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A Flammable Limits LEL UEL

Extinguishing Media Use water fog, foam, CO₂, or dry chemical extinguishing media

Special Fire Fighting Procedures Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Fire and Explosion Hazards None known.

Section 5 - Toxicological Information

No applicable data for this section

Section 6 - Ecological Information

No applicable data for this section.

Section 7- Reactivity Data

Stability Stable

Conditions to Avoid Avoid excessive heat and ignition sources.

Hazardous Decomposition / Polymerization: CO, CO2, HCN, ketones, ethers and esters.

Section 8 - Health Hazard Data

Hazard Ratings:

Monroe Rubber and Plastics currently uses the National Paint & Coatings Association (NPCA) rating system.

| | | | | |
|------|---------|-------|-------------|----------|
| | Health: | Fire: | Reactivity: | Special: |
| HMIS | 1 | 1 | 0 | NA |

Emergency and First Aid Procedures

First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. Get immediate attention.

First Aid Procedures - Eyes:

Immediately rinse eyes with running water for 15 minutes. Get immediate medical attention.

First Aid Procedures - Ingestion:

The consequences of the ingestion of large amounts in man are unknown; however, in such cases it is recommended that the stomach be emptied by gastric suction. Medical advice should be obtained if ingestion has occurred.

First Aid Procedures – Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures – Notes to Physicians.

None known.

First Aid Procedures – Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to Section 5 (Effects of Overexposure) for effects observed in animals.

First Aid Procedures – Special Precautions:

None

Section 9 - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

No applicable data for this section.

Waste Disposal Method

Dispose of in accordance with Federal, state and local regulations.

Precautions to Be Taken in Handling and Storing

No specific storage requirements

Other Precautions

None

Section 10 - Control Measures

Respiratory Protection

If dust or mists are generated wear an approved dust/ mist respirator

| | | | | |
|--------------------|----------------------|-------------------------------------|----------------|------|
| Ventilation | Local Exhaust | Use local exhaust to control dusts. | Special | None |
|--------------------|----------------------|-------------------------------------|----------------|------|

Protective Gloves Suitable gloves

Eye Protection Safety Glasses

Other Protective Clothing or Equipment Suitable clothing required to prevent excessive dermal contact.

Work/Hygienic Practices Avoid contact with skin as required by normal hygiene practices.

Section: 11 – Regulatory Information

RCRA Haz. Waste No.: N/A

All components are on the TSCA inventory.

SARA title III; Section 313 Not Listed