

Safety Data Sheet (SDS)

Reviewed on 05/28/2014

1 Identification of substance

Trade name: FLUORESCENT RED SOLVENT BASED MARKING PAINT
Product number: 4667
Manufacturer/Supplier: Rainbow Technology Corporation
 261 Cahaba Valley Parkway
 Pelham, Alabama 35124
 (800) 637.6047, www.rainbowtech.net
Contact person: Larry Joe Steeley, Jr.
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:

Chemical Description	Percentage
1317-65-3 Calcium Carbonate	23.86%
64742-89-8 VM&P Naptha	18.85%
106-97-8 n-butane	9.25%
64742-47-8 Mineral Spirits	6.35%
142-82-5 heptane	5.71%
110-19-0 isobutyl acetate	4.76%

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

3 Hazards identification

Hazard description:  Irritant
 Extremely flammable

Physical dangers: Extremely flammable liquid and vapor in a pressurized container. Keep away from heat, sparks, and flame.
 Extremely flammable.
 Irritating to eyes, respiratory system and skin.
 Keep out of the reach of children.

Effects of short-term overexposure: Vapors cause 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 = 1
 Fire = 4
 Reactivity = 3

HMIS-ratings (scale 0 - 4): Health= 1
 Fire= 4
 Physical Hazard= 3

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.
Environmental safety precautions: Inform appropriate authorities in case of seepage into water course or sewage system.

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**Measures for cleaning/
collecting:**

Do not allow product to reach sewage systems or ground water.

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

Fire/explosion protection: Do not spray on a naked flame or any incandescent material.
Do not smoke. Protect from electrostatic charges.

Storage requirements: Observe pressurized container storage regulations. Consult with your local authorities.
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:

106-97-8 n-butane

REL 1900 mg/m³, 800 ppm

142-82-5 heptane

REL 2000 mg/m³, 500 ppm
REL Short-term value: C 1800* mg/m³, C 440* ppm
Long-term value: 350 mg/m³, 85 ppm
*15-min
TLV Short-term value: 2050 mg/m³, 500 ppm
Long-term value: 1640 mg/m³, 400 ppm

110-19-0 isobutyl acetate

REL 700 mg/m³, 150 ppm
REL 700 mg/m³, 150 ppm
TLV 713 mg/m³, 150 ppm

**Protective hygienic
measures:**

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

Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

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. 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: Aerosol
Color: According to trade name description in section 1.
Odor: Solvent
Boiling point/Boiling range: -44°C (-47°F)

Flash point: -19°C (-2°F)

Ignition temperature: 210.0°C (410°F)

Auto igniting: Product is not self-igniting.

Danger of explosion: Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 degrees fahrenheit.
In use, may form flammable/explosive vapour-air mixture.

Lower Explosion Limit: 0.9 Vol %

Upper Explosion Limit: 10.9 Vol %

Vapor Pressure: 40 PSI, 2750 hPa

Density: Not determined.

Specific Gravity: Between 0.77 and 0.85 (Water equals 1.00)

VOC content: 610.7 g/l / 5.10 lb/gl

VOC in weight percent (less acetone): 60.8 %

Solids content: 39.2 %

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10 Stability and reactivity:

Conditions to be avoided: Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.
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 chlorofluorocarbons (CFC's), chlorinated solvents, lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), or polybrominated diphenyl ether (PDBE). No specific ecological data is available for this product.
Aquatic toxicity: Harmful to aquatic organisms.
 Hazardous for water, do not empty into drains.

13 Disposal considerations

DISPOSAL METHOD: 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: Empty cans should be recycled.

14 Transport information:

Hazard class: 2.1
Identification number: N/A
Label: 2.1
ADR/RID class: 2 5F Gases
UN-Number: 1950
IMDG Class: 2
Packaging group: II
EMS Number: F-D,S-U
Marine pollutant: No
ICAO/IATA Class: 2.1
Propper shipping name: Aerosols, Flammable
 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):

None of the ingredients is listed.

TSCA (Toxic Substances

Control Act): All ingredients are listed.

PROPOSITION 65 Chemicals known to cause cancer:

100-41-4 ethyl benzene

Canadian WHMIS: Class A, B5---Flammable Aerosols

EPA: 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).

110-19-0 isobutyl acetate

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.

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".

110-19-0 isobutyl acetate

A4

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NIOSH:

None of the ingredients is listed.

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: Regulatory Affairs

USA