

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 (As Used on Label and List) Spot Wiz VDS | <i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i> |
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| | | | |
|--|---|---|---------------------------------|
| Section I – Identity | | NA = Not Applicable NIA = No Information Available | |
| Manufacturer's Name Royaltone Company Inc | Emergency Telephone Number 918 663-9666 | Telephone Number For Information 918-622-6677 | Date Prepared 1/25/05 |
| Address (Number, Street, City, State, and ZIP Code) 9504 E 55th St Tulsa OK 74145 | Signature of Preparer (optional) | | |

| Section II – Hazardous Ingredients | | | | | |
|---|----------------|----------|--------------|------------------------|-------------|
| Chemical Identity; Common Name(s) | CAS # | OSHA PEL | ACGIH TLV | Other Limits | %(optional) |
| Trichloroethylene | 79-01-6 | | 50PPM | UN1710 solution | |
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|------------------------------------|--------------|---------------------------------------|-------------|
| Section III – Physical Data | | | |
| Boiling Point | 104°F | Specific Gravity (H ₂ O=1) | 4.0 |
| Vapor Pressure (mm Hg.) | 340 | Melting Point | 100% |
| Vapor Density (AIR=1) | 3.0 | Evaporation Rate (Butyl Acetate = 1) | 2.60 |
| pH, 1% | | % Volatile | |
| Solubility In Water | no | | |

Appearance and Odor
colorless liquid, irritating non residual odor at high concentrations

| | | | |
|--|------------------|--------------------|--------------------|
| Section IV – Fire and Explosion Hazard Data | | | |
| Flash Point (Method Used) none TOC TCC COC | Flammable Limits | LEL 14.8 | UEL 22.0 |

Extinguishing Media
water fog,

Special Fire Fighting Procedures
Pressure demand self contained respiratory equipment

Unusual Fire and Explosion Hazards
Forms flammable vapor air mixtures at temperatures above ambient. Do not use welding or cutting torch

Section V – Physical Hazards / Reactivity Data

| | | | |
|-----------|----------|----------|---|
| Stability | Unstable | | Conditions to Hydrolysis producing small amounts of hydrochloric acid |
| | Stable | x | |

Incompatibility (*Materials to Avoid*) **aluminum, sodium, potassium, magnesium, water**

Hazardous Decomposition or Byproducts **open flames and welding arcs can cause small amounts of phosgene and Chlorine to form**

| | | | |
|--------------------------|----------------|----------|---------------------|
| Hazardous Polymerization | May Occur | | Conditions to Avoid |
| | Will Not Occur | x | |

Section VI – Health Hazard Data

| | | | |
|---------------------|-------------|-----------|------------|
| Routes(s) of Entry: | Inhalation? | Skin? | Ingestion? |
| | no | no | no |

Health Hazards (*Acute and Chronic*)

Carboxyhemoglobin levels may be elevated. Anesthesia 900ppm. Death if too much is breathed.

| | | | |
|----------------------------------|-----------|------------------|-----------------|
| Carcinogenicity: | NTP? | IARC Monographs? | OSHA Regulated? |
| Not considered carcinogen | no | no | no no |

Signs and Symptoms of Exposure

Inhalation: minimal effects at exposures below 1000ppm, Eyes: contact can irritate eyes. Skin contact can dry skin

Medical Conditions Generally Aggravated by Exposure

Above 1000ppm can depress blood pressure, cardiac sensitization, ventricular arrhythmia

Section VII – First Aid Measures

1. Inhalation **call doctor**
2. Eyes **irrigate with flowing water for 15 min**
3. Skin **wash off with flowing water, use soap**
4. Ingestion **call doctor, do not induce vomiting**

Section VIII – Preventive Measures

Respiratory Protection (*Specify Type*) **Self contained full face breathing respirator**

| | | |
|-------------|-------------------------------|-------------|
| Ventilation | Local Exhaust | Special |
| | yes | none |
| | Mechanical (<i>General</i>) | Other |
| | yes | none |

| | |
|-------------------|-----------------------|
| Protective Gloves | Eye Protection |
| no | safety goggles |

Other Protective Clothing or Equipment

Eye wash solutions and safety showers

Work/Hygienic Practices

Avoid inhalation or eye contact

Section IX – Special Precautions / Spill Leak Procedures

Steps to Be Taken in Case Material is Released or Spilled

Small spills: allow to evaporate or mop up, wipe , or soap up immediately. Move to outdoors. Larger spills: contain liquid, transfer to metal containers. Keep out of water supply

Waste Disposal Method

Incineration or approved landfill burial

Precautions to Be Taking in Handling and Storing

Avoid breathing vapors

Other Precautions

Avoid getting in eyes. Use in well ventilated area

Section X– Other Information