

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)

Code 100S
Kwik-Shot Soot Stopper

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.

Section I

Manufacturer's Name

RUTLAND PRODUCTS

Address (Number, Street, City, State, and Zip Code)

7 CRAB TREE ROAD
JACKSONVILLE, IL 62650

Emergency Telephone Number

CHEMTREC 800-424-9300

Telephone Number Information

217-245-7810

Date Prepared

Sept 1988

Date Revised

May, 06

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

| Chemical Identity | CAS # | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|-----------------------------|------------|----------------------|----------------------|--------------------------|--------------|
| Silica | 14464-46-1 | 0.1mg/m ₃ | 0.1mg/m ₃ | | |
| Copper sulfate, tribasic+A4 | 01344-73-6 | 1mg/m ₃ | 1mg/m ₃ | as dust and fume | |
| Trisodium phosphate | 07601-54-9 | 15mg/m ₃ | 10mg/m ₃ | total dust | |
| Ammonium Chloride | 12125-02-9 | 10mg/m ₃ | 10mg/m ₃ | fume | |
| Manganese Acetate | 6156-78-1 | 1 mg/m ³ | 3 mg/m ³ | | |
| | | Mn as dust | Mn as dust | | |

Low concentrations of crystalline silica in the form of quartz may be present in airborne dust. See section VI for discussion of health hazard.

HMIS Rating - Health: 2* Flammability: 0 Reactivity: 0

*Denotes a chronic health hazard. See Section VI.

Section III - Physical/Chemical Characteristics

| | | | |
|-------------------------|-----|---|-----|
| Boiling Point | N/A | Specific Gravity (H ₂ O = 1) | N/A |
| 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

Partially soluble.

Appearance and Odor

Granular mixture.

Section IV - Fire and Explosion Hazard Data

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

Extinguishing Media

Carbon Dioxide, Water, Foam, or dry Chemical

Special Fire Fighting Procedures

Self contained breathing apparatus for firefighters

Unusual Fire and Explosion Hazards

None

The information presented herein is based either on data or opinion. Such data is, to the best of our knowledge, true and accurate. Such opinion is believed to be expert, and therefore generally reliable, but in some instances there are conflicts in expert opinion and in these instances we have relied on the opinion which, in our best judgment, appeared the most reasonable. All information herein is presented without guarantee or warranty and Rutland Products disclaims any liability incurred from the use thereof.

Section V - Reactivity Data

| | | | |
|-----------|----------|---|---------------------|
| Stability | Unstable | | Conditions to Avoid |
| | Stable | X | |

Incompatibility (*Materials to Avoid*)

Strong oxidizing agents, strong acids, bases, halogens. Will become highly alkaline in water.

Hazardous Decomposition or Byproducts

Thermal decomposition will yield oxides of carbon and nitrogen

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

Section VI - Health Hazard Data

| | | | |
|-------------------|-------------|-------|------------|
| Route(s) of Entry | Inhalation? | Skin? | Ingestion? |
| | Yes | Yes | Yes |

Health Hazards (*Acute and Chronic*)

Eyes; Irritant. Will cause alkaline burns.

Skin: Contact with humidity of skin or mucous membranes will cause an alkaline reaction with resultant burns.

Inhalation: Chronic exposure to dust may cause some loss of lung function.

Ingestion: Irritant. Consult Physician

| | | | |
|-----------------|---------|----------------------|--------------------|
| Carcinogenicity | NTP? No | IARC Monographs? Yes | OSHA Regulated? No |
|-----------------|---------|----------------------|--------------------|

Respirable crystalline silica from occupational sources has been listed by IARC as a human carcinogen.

Signs and Symptoms of Exposure **Severe tearing and reddening of eyes. Irritation of skin.**

Irritation of gastrointestinal tract, if ingested.

Medical Conditions Generally Aggravated by Exposure

Lung diseases, if chronically exposed.

Emergency and First Aid Procedures

Eyes: Wash with water for at least 15 minutes and consult an eye doctor.

Skin: Wash with water.

Inhalation: Remove to uncontaminated area.

Ingestion: Drink large quantities of water or milk and consult a physician immediately.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Scoop up.

Waste Disposal Method **Keep out of water courses.**

Toxic to fish. Dispose of in accordance with all local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Store in dry place. Keep out of reach of children.

Other Precautions

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)

Wear NIOSH approved dust mask.

| | | |
|-------------|-------------------------------|---------|
| Ventilation | Local Exhaust | Special |
| | X | |
| | Mechanical (<i>General</i>) | Other |

Protective Gloves

Wear rubber gloves.

Other Protective Clothing or Equipment

Apron

Work/Hygienic Practices

Good housekeeping to keep dust down. Wash hands before eating.

Eye Protection

Safety glasses or goggles.

NAME OF PRODUCT: Rutland Kwik Shot Soot Stopper

This product contains the following chemicals subject to the reporting requirements of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA). These chemicals are also subject to reporting under Section 304 of Title III, SARA.

| <u>CAS Number</u> | <u>Chemicals</u> | <u>%,WT</u> | <u>Reportable Quantity</u> |
|-------------------|--------------------------|-------------|----------------------------|
| 12125-02-9 | Ammonium Chloride | 5.9 | 5,000 lbs. |
| 01344-73-6 | Copper sulfate, tribasic | 6.1 | 10 lbs. |

This product contains the following chemical subject to the reporting requirements of Section 313 of SARA Title III.

| <u>CAS NUMBER</u> | <u>Chemical Name</u> | <u>%,WT</u> |
|-------------------|----------------------|-------------|
| 07439-96-5 | Manganese Nitrate | 4.5 |