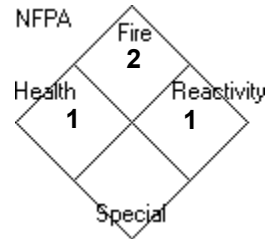


**MSDS - Material Safety Data Sheet****Product Name: Metal Surfacing Solution, Steel**

MSDS No.: RAG5003

**I. Basic Information:****Manufacturer:** Sirchie Finger Print Laboratories**Address:** 100 Hunter Place**City, ST Zip:** Youngsville, NC 27596**Emergency Contact:** ChemTrec**Emergency Telephone Number:** 800-424-9300**Contact:** Tech Support**Information Telephone Number:** 919-554-2244**Last Update:** 01/31/2011**Expiration Date:****Chemical State:**  Liquid  Gas  Solid**Chemical Type:**  Pure  Mixture

1	Health
2	Flammability
1	Reactivity
H	Pers. Protection

**II. Ingredients:** Trade Secret (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
64742489	Synthetic aliphatic hydrocarbon, hydrotreated	100						5 mg/m3	5 mg/m3	300 ppm	

**III. Hazardous Identification:****Hazard Category:**
 Acute  Chronic  Fire  Pressure  Reactive
**Hazardous Identification Information:**

Flammable. Respiratory and digestive tract irritant. Skin and eye irritant. Aspiration hazard. May cause central nervous system depression.

**IV. First Aid Measures:****Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

**Health Hazards (Acute and Chronic):**

Acute: Chemical pneumonitis (if aspirated into lungs)

Chronic: Dermatitis

**Signs and Symptoms:**

Inhalation: Headaches, dizziness, anesthesia, drowsiness, unconsciousness, death

Ingestion: Vomiting, possible death

**Medical Conditions Generally Aggravated by Exposure:**

Skin, eye, respiratory diseases

**Emergency and First Aid Procedures:**

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## *Product Name: Metal Surfacing Solution, Steel*

### *MSDS No.: RAG5003*

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen (To be administered by qualified medical personnel only!) Keep victim at rest. Get medical attention.

Ingestion: DO NOT induce vomiting. Aspiration hazard. Keep victim at rest. Get medical attention immediately.

Skin: Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. Get medical aid immediately.

### **Other Health Warnings:**

### ***V. Fire Fighting Measures:***

**Flash Point:** 150 F

**Lower Explosive Limit:** 1.3

**Upper Explosive Limit:** 8.8

### **F.P. Method:**

**Fire Extinguishing Media:** Foam, dry chemical, water spray

### **Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing. Water may be used to cool fire-exposed containers. Avoid spraying water directly into storage containers due to danger of boilover.

### **Unusual Fire and Explosion:**

Material can accumulate static charges which can cause an incendiary electrical discharge. Vapors from this product may travel some distance from original point to an ignition source and flash back.

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and banded and then disposed of according to local, state, and federal regulations.

### ***VI. Accidental Release Measures:***

#### **Steps to be Taken in Case Material is Released or Spilled:**

Wear vapor respirator, safety goggles, and rubber gloves. Remove sources of ignition (i.e. open flames, sparks). Prevent additional discharge of material, if possible to do so without hazard. Soak up with inert absorbent material (sand or earth recommended; do not use flammable substances such as sawdust). Dispose according to local, state, and federal regulations.

### ***VII. Handling and Storage:***

#### **Precautions to be Taken:**

Keep in closed container. Protect from direct sunlight. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Electrically bond and ground all containers and equipment before transfer or use of material. Use only in well-ventilated areas. Wash thoroughly after handling.

#### **Other Precautions:**

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and banded and then disposed of according to local, state, and federal regulations.

### ***VIII. Exposure Controls/Personal Protection:***

#### **Ventilation Requirements:**

Use only in well-ventilated areas.

#### **Personal Protective Equipment:**

Safety goggles, gloves, vapor respirator, protective clothing

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### IX. Physical and Chemical Properties:

**Boiling Point:** 376 F

**Melting Point:** <-76 F

**Evaporation Rate (Butyl Acetate = 1):** <0.1

**Vapor Pressure (mm Hg.):** 1

**Specific Gravity (H2O = 1):**

**Vapor Density (AIR = 1):** 5.90

**Solubility In Water:** <0.01 wt%

**Appearance and Odor:** Clear colorless liquid

**Other Information:**

### X. Stability and Reactivity:

**Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Strong oxidizing agents

**Decomposition/By Products:**

Peroxides

**Hazardous Polymerization:**

Moderate risk of peroxide formation.

### XI. Toxicological Information:

Flammable. Respiratory and digestive tract irritant. Skin and eye irritant. Aspiration hazard. May cause central nervous system depression.

### XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.

### XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

### XIV. Transport Information:

Keep in closed container. Protect from direct sunlight. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Electrically bond and ground all containers and equipment before transfer or use of material. Wash thoroughly after handling.

IATA

Shipping name: Petroleum products, N.O.S.

Hazard class: 3

UN no.: 1268

Packing group: II

Flammable liquid!

# ***MSDS - Material Safety Data Sheet***

***Product Name: Metal Surfacing Solution, Steel***

***MSDS No.: RAG5003***

***XV. Regulatory Information:***

Synthetic aliphatic hydrocarbon, hydrotreated, is listed on the TSCA inventory.

Synthetic aliphatic hydrocarbon, hydrotreated, is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and Oil Pollution Act of 1990.

***XVI. Other Information:***

Using this product under normal, properly instructed procedures should not be hazardous.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.