



MATERIAL SAFETY DATA SHEET

SECTION 1 : Product

Product: Gunner Metal & Alloy Cleaning cloth
Manufacturers Code: USC-105
Subsidiary Risk: None: None
USE: Exposure to fire may cause containers to rupture/explode. Non flammable

SECTION 2 : Hazards Identification

Emergency Overview Danger : Extremely Flammable. Harmful or fatal if swallowed. Eye and skin irritant. Contents under pressure.

OSHA : Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects

Route (s) of Entry Absorption, Inhalation, and Ingestion.

Health Hazards (Acute and Chronic) Chronic: High levels damage the nervous system initially producing a lack of feeling in the extremities and possibly progressing to a more severe nerve damage.

Signs and Symptoms:

Eye Contact: Irritant. Prolonged contact may cause conjunctivitis.

Skin Contact: Defeating of tissue, dermatitis may occur.

Inhalation: Irritant to mucous membranes. Repeated exposure may cause narcosis, dizziness, respirator or lung irritation, HARMFUL OR FATAL IF SWALLOWED.

Ingestion: HARMFUL OR FATAL IF SWALLOWED.

Medical Conditions Generally Aggravated by Exposure: N/D

Other Health Warnings: Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

Potential Environmental Effects Not Available

SECTION 3 : Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	OSHA PEL TWA(ppm)
Isopropanol	67-63-0	35-40	1560
Polydimethylsiloxane	63148-62-9	35-45	N/A
n-Butyl Acetate	12386-4	1-5	150
Hexane	142-82-5	15-25	500
Flannelette cloth			



SECTION 4 : First Aid Measures

Emergency and First Aid Procedures:

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids. . Get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air, If breathing becomes difficult give oxygen and get prompt medical attention. If breathing stops, give artificial respiration and get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately. Aspiration of vomit us into the lungs can cause pneumonitis, which can be fatal.

Note to Physicians:

N/D

SECTION 5 : Fire Fighting Measures

Suitable Extinguishing Media:

Water Fog, Foam, Carbon Dioxide, Dry Chemical

Suitable Extinguishing Media:

Do not use forced water stream as this could cause the fire to spread.

Products of Combustion:

Normal products of combustion, smoke, carbon dioxide, carbon monoxide.

Protection of Firefighters:

Wear self-contained positive pressure breathing apparatus and protective clothes. Use shield to protect from rupturing and venting containers. At elevated temperatures containers may vent, rupture or burst, even violently

SECTION 6 : Accidental Release Measures

Personal Precautions:

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental Precautions:

Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs. Notify proper authorities as requires that a spill has occurred. Run off to sewer may create fire or explosion hazard.

Methods for Containment:

Dike or contain spill and absorb with inert materials (Sand, sawdust, absorbent weeping compounds, rags, etc.)

Other Information:

Prevent run-off to sewers, streams, or other bodies of water, If run-off occurs, notify proper authorities as required that a spill has occurred,



SECTION 7 : Handling and Storage

Handling Precautions:

Use with adequate ventilation and proper protective equipment.
Do not use or store near fire, sparks, or open flame. Do not puncture or incinerate container.
Exposure to temperatures above 120 may cause container to vent, rupture, or burst.

Storage Precautions:

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. **KEEP AWAY FROM CHILDREN AND ANIMALS!** Danger extremely flammable.

SECTION 8 : Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ADGIH TLV	Other Limits
Isopropanol	1560	67-63-0	35-45
Polydimethylsiloxane	N/A	63148-62-9	35-45
n-Butyl Acetate	150	12386-4	1-5
Hexane	500	142-82-5	15-25
Flannelette cloth			

Engineering Controls:

See Section above for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NOISH approved respirator.

Personal Protective Equipment:

Use with adequate ventilation., For prolonged exposure wear protective safety glasses, gloves, and apron.

SECTION 9 : Physical and Chemical Properties

Boiling Point: <100°F	Melting Point: N/A
Boiling Range: N/D	Freezing Point: N/A
Solubility in Water: Insoluble	Evaporation Rate (Butyl Acetate=1):>1.0
Flash Point: < 0°F	Flash Point Method: Calculated
Odor Threshold: N/D	Appearance and Odor : Clear liquid with white Particles with hydrocarbon odor
Vapor Threshold: N/D	Vapor Pressure(mm Hg.) N/D
pH Range: N/A	Partition Coefficient: N/D
Decomposition Temp: N/D	Auto-ignition Temp: N/D
Specific Gravity (H2O=1):0.76	Upper Explosive Limit: N/E
Other Information: VOC Content: 94.5%	

SECTION 10 : Stability and Reactivity



Stability:

Stable

Conditions to Avoided:

See Incompatible Materials

Incompatible Materials:

Avoid contact with strong oxidizers

Hazardous Decomposition Products:

Normal Products of combustion, smoke, carbon dioxide, carbon monoxide.

Possibility of Hazardous Reactions:

Will not occur

SECTION 11 : Ecological Information

N/D

SECTION 12 : Disposal Considerations

DISPOSAL: This container may be recycled in aerosol recycling centers when empty. Before offering for recycling, empty the can by using the product according to the label. **DO NOT PUNCTURE!** If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations.

SECTION 13 : Transport Information

Shipping Name: Not Available

Dot Hazard Class: Not Available

UN/NA#: Not Available

DOT Subsidiary Hazard Class: Not Available

Packing Group: Not Available

Transportation Information:

DOT Hazard Class: ORM-D

Shipping Name: Consumer Commodity

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for international and air shipping purposes.

ICAO/IATA (US)

UN Number: None

Shipping Name : Gunner Metal & Alloy cleaning cloth

Class: None

SECTION 14 : Regulatory Information

SARA 313 Reportable Chemicals:

Acrylic Acid -79-10-7

USA TSCA: All components of this material are listed on the US TSCA Inventory.

State RTK Chemicals

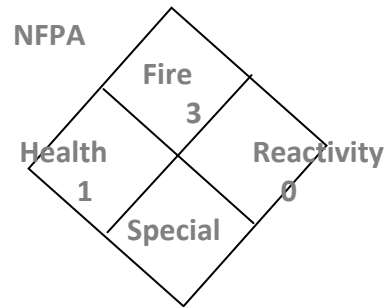
Isopropanol -67-63-0

Polydimethylsiloxane -63148-62-9



SECTION 15 : Other Information

Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture



Hazard Category: Acute Chronic Fire Reactive
 Pressure

Additional Manufacturer Warning:
Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. **KEEP AWAY FROM CHILDEN AND ANIMALS!**

N/E: Not Established
N/D: Not Determined
N/A: Not Applicable
N/AV: Not Available

1	Health
3	Flammability
0	Physical Hazard
C	Pers. Protection

Additional Product Information:
While Radiator Specialty Company believes this date is accurate as of the revision date, we make no warranty with respect to the date and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.