

Material Safety Data Sheet

Name and Address: Product Name: Prepared by: Date:

Reliant Technologies, Inc.
2933 Hwy 1, North
Port Allen, Louisiana 70767

Super Bright C® Aluminum and Stainless Steel Cleaner

Barry Huggins 10/9/2003

Emergency Phone: Product Code
225-383-7923 Super Bright C® D-4705

HMIS CODE INFORMATION: Health 3 Flammability 0 Reactivity 1 Personal Protection F

Section 1 - Hazardous Ingredients and Sara Title III Information

Reportable Components:

Ingredient:	% wt	CAS #	OSHA PEL / STEL	ACGIH TLV
Amonium Biflouride	< 25	1341-49-7	PEL = 2.5 mg/m3	TLV = 2.5 mg/m3
Sulfuric Acid	< 25	7664-93-9	TWA = 1 mg/m3	TWA = 1 mg/m3; STEL = 3 mg/m3

DOT Shipping Name:

Super Bright 200® ----> COMPOUNDS, CLEANING LIQUID, 8, NA1760, PG. II, GUIDE 154, Super Bright 200®
Super Bright C® ----> COMPOUNDS, CLEANING LIQUID, 8, NA1760, PG. II, GUIDE 154, Super Bright C®

RQ = 4000# (~ 415 gallons in a single container)

Notes

N/A = Not Applicable

TWA = Threshold Weighted Average STEL = Short Term Exposure Limit

Section 2 - Physical and Chemical Characteristics

Boiling Point:	> 212 F	Vapor Density:	< 1 and > 0.0001	air = 1
Evaporation Rate:	~ 1 water = 1	Solubility in Water:	Complete	
Appearance and Odor:	Clear liquid, with pungent odor	Specific Gravity:	~ 1.1	
		pH	3.0-3.5	

Section 3 - Fire and Explosion Data

Flash Point: N/A Method Used: N/A

Flammable Limits in Air, by Volume Lower: None Established Upper: None Established

Extinguishing Media: N/A This product will not burn

Special Firefighting Procedures: Metal containers of any water based product in the proximity of a fire present a risk, if exposed to enough heat. Use water spray to keep cool any metal containers that are exposed to heat and fire

Unusual Fire and Explosion Hazards: This product will not burn. However, it is water based, and in the proximity of a fire, if exposed to enough heat metal containers can explode as pressure is generated as the water turn to steam.

Section 4 - Physical Hazards and Reactivity Data

Stability: Stable

Conditions and Materials to Avoid: Avoid contact with strong oxidizers such as sodium nitrite, sodium nitrate, nitrate fertilizers, liquid chlorine, liquid oxygen, sodium hypochlorite (bleach), calcium hypochlorite (such as HTH, etc.), hydrogen peroxide potassium permanganate, etc., and strong alkalies, as they may react with the product.

Hazardous Decomposition Products: From extreme heat: fluorine, hydrogen fluoride, carbon monoxide, carbon dioxide, nitogenous oxides
Contact with metals can result in the release of hydrogen.

Hazardous Polymerization: Will not occur

Section 5 - Health Hazards Data**Signs and Symptoms of Exposure:****Eye and Skin Contact and Absorption:**

Skin: \Severe irritation, burns (especially to the finger nail area), and dermatitis. May cause dryness of the skin. This product is not easily absorbed through the skin.

Eyes: Will cause severe burns and permanent damage, including blindness.

Ingestion: Will cause severe burns to the mouth, throat and digestive tract. Ingestion will be extremely painful and can be fatal.

Inhalation: Inhalation is not likely, but if it occurs, mists and liquid can cause irritation of lungs and airway.

Medical Conditions Generally Aggravated by Exposure:

Skin and eye contact: dermatitis and skin problems; eye irritation

Inhalation: respiratory disorders

Carcinogen Information: These products contain no ingredients suspected of being carcinogens

IARC Monographs? No
NTP? No
OSHA? No

Emergency and First Aid Procedures:

Eyes: Flush with large amounts of water for at least 15 minutes, lifting eyelids. Get medical attention

Skin: Wash affected area with large amounts of water, and remove soaked clothing. If contact has caused burns, seek medical attention. Soak severe burns with iced isopropyl alcohol and see a physician immediately

Ingestion: If ingested, do not induce vomiting; wash mouth out with plenty of water and give large amount of water to drink. This product may be fatal if ingested. Call physician and seek medical attention immediately

Inhalation: Remove to fresh air; give artificial resuscitation if not breathing. Call physician and seek medical attention immediately

Section 6 - Precautions and Spill Procedures

Handling and Storage Precautions: Do not store this product in metal containers under any circumstances. Store this product only in plastic containers. Store only in a secure area; keep away from children. Keep away from excessive heat. Keep away from strong alkalis. Store in a dry area; keep from freezing. If product freezes, it may be necessary to re-mix it upon thawing, so that it returns to a homogenous mixture. For work on tanks which have been used to store this product, refer to OSHA regulation, ANSI Z 49.1, and / or other governmental and industrial references pertaining to cleaning, gas freeing, repairing, welding, or other contemplated operations where confined space entry may be required.

Steps to be taken if material is Released or Spilled: Absorb with inert material, such as sand or clay and send to disposal.

Waste Disposal Method: Always dispose in accordance with all applicable Federal, State, and Local regulations

Section 7 - Special Protection Information and Control Measures

Respiratory Protection: Respirator required when misting is to be expected. Supplied fresh air when performing enclosed space work.

Ventilation: Use local exhaust to capture vapor, mists, or fumes if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limits, or any buildup of hydrogen. Prevent smoking or the use of flames or other sources of ignition in the proximity of this product and any discharge of its vapors

Eye Protection: Use splash goggles or face shield when misting may be expected or when eye contact may occur

Protective Gloves: Rubber or neoprene

Work and Hygienic Practices: Wash hands before eating or using the bathroom

Other protective equipment: Rubber boots and splash apron when misting or splashing is anticipated.

Disclaimer:

This safety information is provided to assist customers in assessing measures necessary for compliance with health, safety, and environmental regulations. Individuals handling this product should be informed of the recommended safety precautions, and should have access to this information. The information contained herein is based on available data, and is believed to be accurate. No guarantee or warranty is provided, since the use of this product is within the exclusive control of the user, and it is the user's responsibility to satisfy itself that this information is suitable and complete for its particular use. Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.