

Section 1 Product and Company Identification

Manufactured for:

 Generic Metalworking Fluids Phone: 866-235-2118
 203 South Wabash St. Fax: 866-235-2118
 Wabash, IN 46992
 United States of America

Emergency Phone Numbers

 866-235-2118 Normal Business Hrs.
 USA Chemtrec 800-424-9300 24 Hours
 International Chemtrec 703-527-3887

 Manufactured by:
 The "R" Group LLC

 Product Name: **ADDITIVE-2120**

Chemical Family: Aluminum

Sulfate Solution

Prepared: 01/23/09

Section 2 Composition / Hazardous Ingredients Information

Ingredient	WT %	TLV / PEL*	CAS #
Aluminum Sulfate	30 - 40		10043-01-3

Section 3 Physical and Chemical Properties

Color: Little to None	Vapor Pressure: N/A °F	Solubility in Water: Soluble
Appearance: Clear Liquid	% Volatile by Volume: 60 – 70 as water	Evaporation Rate
Odor: Characteristic	Vapor Density (air = 1): N/A	(Butyl Acetate = 1): >1
Boiling Point: >212° F	Reactivity in Water: Non-reactive	Specific Gravity: 1.3

Section 4 Fire Fighting Measures

Flammable Properties:

Flash point: N/A (ASTM D-56) Flammable limits in air: N/A Auto ignition temperature: N/A

Extinguishing media: CO₂, dry chemical, foam

Special fire fighting measure:

 Procedures for an oil fire should be followed. Use self contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may be used only to keep surrounding containers cool.

Section 5 Hazards Identification

Primary Routes of Entry:
Skin: Tests on similar materials indicate that no significant adverse health effects are expected to occur with short term exposure.

Eyes: Tests on similar materials suggests that minimal irritation may occur on contact.

Ingestion: Tests on similar materials indicate no significant adverse effects expected. Practically non-toxic.

Inhalation: Tests on similar materials indicate no acute effects are expected.

Section 6 First Aid Measures

Eyes: Flush eyes immediately with water for at least 15minutes or until irritation subsides. If irritation persists, consult a physician.

Skin: Immediately remove soaked or contaminated clothing. Wash skin thoroughly with soap and water. Launder all contaminated clothing before reuse. If skin irritation or rash develops obtain medical assistance.

Ingestion: Product is practically non-toxic. Do not induce vomiting. Obtain emergency medical attention.

Inhalation: Not likely to occur except as a mist. Move to fresh air and provide oxygen if necessary. Obtain emergency medical attention.

Section 7 Personal Protection/ Exposure Controls

Engineering Controls: Use adequate ventilation to keep oil mists of this material below applicable standards.

Respiratory Protection: Not required if adequate ventilation. If occupational exposure limits are exceeded wear NIOSH approved apparatus.

Skin Protection: Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious gloves and clothing. Acceptable materials for gloves are polyvinyl chloride; neoprene; polyvinyl alcohol; nitrile; viton.

Eye Protection: Glasses or goggles. Have suitable eye wash water available.

Other/General Protection: If there is a likelihood of splashing, an oil resistant clothing should be worn. Never wear oil soaked clothing. Launder or dry clean before wearing. Discard oil soaked shoes.

Section 8 Handling and Storage

Handling and Storage Precautions: Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors. NFPA Class IIIB storage.

Do not allow product to freeze. If product freezes allow product to thaw completely prior to use.

Work/Hygienic Practices: Wash thoroughly after handling. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

Section 9 Accidental Release Measures

- Eliminate ignition sources.
- Absorb spillage with inert material.
- Contain spill and keep from entering waterways or sewers.
- Advise EPA/state agency if required.
- Use personal protective equipment.
- Shovel, sweep or vacuum spill.

Section 10 Toxicological Information

Acute Studies: Tests on similar materials show a low order of acute oral and dermal toxicity.

Eye Effects: Minimal irritation on contact.

Skin Effects: Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated contact.

Acute Oral Effects: Tests on similar materials indicate low order of acute oral toxicity .

Acute Inhalation Effects: Low acute toxicity expected on inhalation.

This product is not listed as a carcinogenic or a potential carcinogen by the National Toxicology Program, by the I.A.R.C. monographs or by OSHA.

Section 11 Stability and Reactivity

Stability: Stable **Conditions to avoid:** Sources of ignition. **Incompatibility:** Strong oxidizing or reducing agents.

Decomposition Products: Oxides of aluminum and sulfur. **Hazardous Polymerization:** Will not occur.

Section 12 Ecological Information

No Data available

Section 13 Disposal Considerations

Follow federal, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Do no flush into drain/storm sewer use an authorized disposal service. If permitted incineration may be practical. Recommend recycling.

Section 14 Transportation Information

Proper Shipping Name: Not required.

Shipping Class: N/A

Dot Identification Number: N/A

Dot Shipping Label: Not regulated by DOT.

Section 15 Regulatory Status

U.S. Federal Regulatory Information:

SARA 302 Threshold Planning Quantity: N/A

SARA 304 Reportable Quantity: N/A

SARA 311 Categories:

Acute Health Effects:	None
Chronic Health Effects:	None
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

EPA Hazard Classification Code: Not applicable

CERCLA: No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA Title III - Section 313 Supplier Notification: No Chemicals in this product exceed the DE Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

WHMIS Classification: Not controlled.

Section 16 Other Information

NFPA Hazard Rating:

Health:	2	Moderate
Flammability:	0	Slight
Reactivity:	0	Negligible

Supersedes MSDS Dated: Original

*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

Disclaimer of Express or Implied Warranties

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