

Aluminum Cleaner[®] NST

Version 0.1

Revision Date 05/27/2015

Print Date 03/22/2016

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION
Product name : Aluminum Cleaner[®] NST

Substance number : REL_3180

Chemical usage : Cleaning Compound

Manufacturer or supplier's details

Company : Chemetall US, Inc.

Address : 675 Central Avenue
New Providence NJ 07974

Telephone : (800) 526-4473

Telefax : (908) 464-4658

Emergency telephone no : CHEMTREC - 800-424-9300, 1-703-527-3887 (International)

SECTION 2. HAZARDS IDENTIFICATION
Emergency Overview

Appearance	liquid
Colour	amber
Odour	mild
Hazard Summary	May cause eye and skin irritation. May be harmful if swallowed

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Potential Health Effects

Inhalation : no

Skin : yes

Ingestion : yes

Aggravated Medical Condition : None known.

Carcinogenicity:
IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

Hazardous components

Component	CAS-No.	Weight percent
Trade Secret Registry	735517-5143P	5 - 10
Trade Secret Registry	735517-5127P	5 - 10
Diethylene Glycol Butyl Ether	112-34-5	1 - 5
Trade Secret Registry	735517-5126P	1 - 5

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

If inhaled	: Remove person to fresh air. If signs/symptoms continue, get medical attention.
In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
In case of eye contact	: Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Seek medical advice.
If swallowed	: Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray

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Dry powder
 Foam
 Carbon dioxide (CO₂)

Further information : Use water spray to cool unopened containers.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
 Material can create slippery conditions.

Methods and materials for containment and cleaning up : Ventilate area.
 Clean up with inert absorbant material.
 Keep in suitable, closed containers for disposal.
 Flush with plenty of water.

Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Use only with adequate ventilation.

Conditions for safe storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination.
 Store indoors in a cool, well-ventilated place

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Diethylene Glycol Butyl Ether	112-34-5	TWA (Inhalable fraction and vapor)	10 ppm	ACGIH

Personal protective equipment

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection

Remarks : Impervious gloves

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Eye protection	: Chemical resistant goggles must be worn.
Skin and body protection	: Rubber or plastic apron
Hygiene measures	: Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wear suitable protective clothing. Wash hands before breaks and immediately after handling the product. Provide adequate ventilation. Do not inhale fumes. Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: amber
Odour	: mild
pH	: 10.0 - 11.0
Freezing point	: -3 °C
Boiling point/boiling range	: no data available
Flash point	: does not flash
Evaporation rate	: 1 Water = 1
Upper explosion limit	: Not applicable.
Lower explosion limit	: Not applicable.
Vapour pressure	: no data available
Relative density	: 1.067
Bulk density	: 8.9 lb/gal
Solubility(ies)	
Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: freezing
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Incompatible materials	: Strong acids Strong oxidizing agents Nitrous acid and other nitrosating agents
Hazardous decomposition products	: Carbon dioxide (CO ₂) Carbon monoxide Oxides of phosphorus Nitrogen oxides (NO _x)

SECTION 11. TOXICOLOGICAL INFORMATION
Acute toxicity
Product:

Acute oral toxicity : Acute toxicity estimate : 4,379.000000 mg/kg
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000.000000 mg/kg
Method: Calculation method

Components:
Trade Secret Registry:

Acute oral toxicity : LD50 rat: > 500.000000 mg/kg

Acute toxicity (other routes of administration) : LD50 Humans: 3,900.000000 mg/kg

Trade Secret Registry:

Acute oral toxicity : LD50 rat: 2,080.000000 mg/kg

Acute dermal toxicity : LD50 rabbit: > 4,640.000000 mg/kg

Diethylene Glycol Butyl Ether:

Acute oral toxicity : LD50 rat: 6,560.000000 mg/kg

LD50 rat: 4,500.000000 mg/kg

Acute dermal toxicity : LD50 rabbit: 4,120.000000 mg/kg

Trade Secret Registry:

Acute oral toxicity : LD50 rat: 1,500.000000 mg/kg

LD50 rat: 1,000.000000 mg/kg

Skin corrosion/irritation
Components:
Trade Secret Registry:

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Result: Skin irritation

Serious eye damage/eye irritation**Components:****Trade Secret Registry:**

Species: rabbit

Result: Eye irritation

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

no data available

Aspiration toxicity

no data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

no data available

Bioaccumulative potential**Product:**Partition coefficient: n-
octanol/water

: Remarks: no data available

Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues

: Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

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SECTION 14. TRANSPORT INFORMATION
International regulation
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations
SECTION 15. REGULATORY INFORMATION

TSCA Status : All components of this material comply with US TSCA requirements.

OSHA Hazards : Harmful by ingestion., Moderate skin irritant, Moderate eye irritant

WHMIS Classification : D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:
 Diethylene Glycol Butyl Ether 112-34-5

US State Regulations
Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

water	7732-18-5
Trade Secret Registry	735517-5143P
Trade Secret Registry	735517-5127P
Diethylene Glycol Butyl Ether	112-34-5
Trade Secret Registry	735517-5111P
Potassium p-toluene sulfonate	16106-44-8
Trade Secret Registry	735517-5126P

New Jersey Right To Know

water	7732-18-5
Trade Secret Registry	735517-5143P

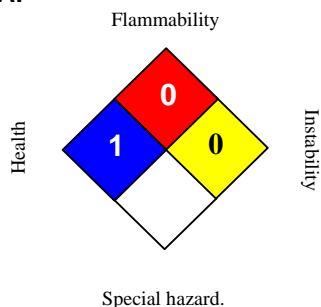
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 Trade Secret Registry
 Diethylene Glycol Butyl Ether
 Trade Secret Registry

 735517-5127P
 112-34-5
 735517-5111P
NFPA:**HMIS III:**

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

Safety Glasses, Gloves, Apron

SECTION 16. OTHER INFORMATION
Further information

Version 1.0
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Chemetall US, Inc. warrants that the products described herein will conform with its published specifications.

The products supplied by Chemetall and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Chemetall materials for their own particular purpose. Since buyer's conditions of use of products are beyond Chemetall's control, Chemetall does not warrant any recommendations and information for the use of such products. CHEMETALL DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.