SAFETY DATA SHEET

TRICOL RECLAIM BASE SALTS 111

401760

SECTION 1: COMPANY AND MIXTURE IDENTIFICATION

1.1 Product Name: TRICOL RECLAIM BASE SALTS 111

1.2 Product Type and Use: METAL FINISHING ADDITIVE

1.3 Manufacturer:

Columbia Chemical Corp.
1000 Western Drive
Brunswick, OH, 44212
330-225-3200
eh&s@columbiachemical.com

Only Representative:

Intertek France
Zi Ecoparc II
27400 Heudebouville
France
T: +33 (0) 385 99 1280

1.4 Emergency Telephone Numbers

CHEMTEL
US & CANADA 800-255-3924
INTERNATIONAL 01-813-248-0585

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the mixture according to GHS (EC 1272 -2008)

Skin Irrit. 2, H315
Eye Irrit. 2A, H319

2.2 GHS Pictograms and H/P Statements

Signal Word: **WARNING**

Hazard and Precautionary Statements:

H315: Causes skin irritation

H319: Causes serious eye irritation

P201: Obtain special instructions before use.

P260: Do not breathe dust, fume, gas, mist, vapours, spray.

P264: Wash thoroughly after handling.

P281: Use personal protective equipment as required.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P501: Dispose of contents/container in accordance with all local/regional/national/international regulations.

2.3 Additional Information:

NONE

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
AMMONIUM CHLORIDE	CAS no. 12125-02-9 EC no. 235-186-4 Reach no. Low Volume Exempt JCSL no. 1-218	< 23%	Acute Tox. 4, H302 Eye Irrit. 2, H319
BORIC ACID	CAS no. 10043-35-3 EC no. 233-139-2 Reach no. Low Volume Exemption JCSL no. 1-63	< 15%	Repr. 1B, H360

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact: Rinse under running water for several minutes.

Skin Contact: Flush exposed area with running water for a few minutes.

Inhalation: Move exposed individual to fresh air.

Ingestion: Provide two glasses of water if victim is conscious and get medical attention. Never give anything by mouth to an unconscious person.

4.2 Important symptons and effect acute and delayed

Symptoms/Injuries: Causes serious eye irritation, symptoms include redness and irritation.

Symptoms/injuries after inhalation: In case of inhalation remove to fresh air. If symptoms persist get medical attention.

Symptoms/injuries after skin contact: Causes skin irritation, symptoms include redness or irritation.

Symptoms/injuries after eye contact: Causes serious eye irritation, symptoms include redness and irritation.

SymptomsInjuries after ingestion: May be harmful if swallowed. Symptoms include nausea and possible irritation to mouth, throat and esophagus.

4.3 Indication of any immediate medical attention and special treatment needed

No immediate medical attention or special treatment should be required while using this product as specified.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media Dry chemical powder. Water spray. Carbon dioxide (CO2)

5.2 Special Hazards from the mixture Mixture itself does not burn but may decompose upon heating to produce fumes. Cool plastic drum, pail or tote containers which may swell or rupture upon heating.

5.3 Advice for firefighters Use personal protective equipment as described in section (8) of the MSDS.

Protection from firefighting: Use self-contained breathing apparatus and chemically protective clothing. For further information refer to section 8, Exposure-controls/personal protection.

Other Information: Avoid eye and skin contact.

HMIS: 0-0-0-

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel Ensure adequate ventilation, Use personal protective equipment.

6.1.2 For emergency responders Ensure adequate ventilation, Use personal protective equipment.

6.2 Environmental precautions Avoid discharge into soil, water or air.

6.3 Containment and clean up

Methods for cleaning up: Contain spills, cover with absorbent, carefully sweep up material and transfer to a suitable container for disposal.

Other information: Comply with local regulations for disposal.

6.4 Reference to other sections Refer to section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling Avoid contact with skin, eye and clothing. Avoid breathing dust, mist or spray. Refer to section 8 for exposure controls.

7.2 Conditions for safe storage, including any incompatibilities

Storage Condition(s):

SHELF LIFE IS TWO (2) YEARS FROM DATE OF MANUFACTURE.

Store tightly closed in a dry, cool and well-ventilated place.

Incompatible materials: No specific materials to avoid when used under normal conditions.

Storage area: Floors should be impenetrable, resistant to liquids and easy to clean. Keep away from heat and direct sunlight. Do not store near oxidizing agents. Store in dry,cool, well-ventilated area.

7.3 Specific end use(s) Metal Finishing

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control Parameters

AMMONIUM CHLORIDE (12125-02-9)		
USA	ACGIH - TEL	10 mg/m3
BORIC ACID (10043-35-3)		
USA	ACGIH - TEL	10 mg/m3

8.2 Exposure Controls

Exposure Controls:	Maintain employee exposures to levels below the applicable exposure limits.
Ventilation:	Use local or general exhaust to reduce airborne exposures.
Respiratory Protection:	Respiratory protection should not be required under normal use with proper engineering controls. A respiratory program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed if workplace conditions warrant use of a respirator.
Hand Protection:	Wear chemical resistant gloves when handling any chemical product .
Eye Protection:	Wear chemical safety glasses and/or face shield when handling chemical products.
Skin Protection:	Wear protective clothing as appropriate .
Other:	Launder contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic phyiscal and chemical properties

Appearance:	White Powder	**Flammability (solid,gas):**	No data available
Odour:	No data available	**Explosive Limits:**	No data available
Odour Threshhold:	No data available	**Vapor Pressure:**	No data available
pH:	No data available	**Vapour Density:**	No data available
Melting Point:	No data available	**Relative Density:**	No data available
Solidification Point:	No data available	**Solubility:**	No data available
Boiling Point:	No data available	**Self Ignition Temperature:**	No data available
Flash point:	No data available	**Decomposition Temperature:**	No data available
Relat evapor rate comp to butylacetate:	No data available	**Viscosity:**	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Product is stable at normal conditions.
10.2 Chemical Stability	Product may not be stable under heat, moisture, pressure, or exposure to incompatible materials.
10.3 Possibility of hazardous reactions	Product will not undergo polymerization.
10.4 Conditions to avoid	Keep away from heat. Keep out of direct sunlight.
10.5 Incompatible materials	Product may react with strong acidic and strong basic solutions.
10.6 Hazardous decomposition products	Product contains materials which may decompose into oxides of nitrogen and carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Toxicological effects

Acute toxicity:	No known acute toxicity effects when used as directed.
Skin corrosion/irritation:	Product should not be irritating to skin when used as directed.
Respiratory or skin sensitization:	No known skin sensitization affects when used as directed.
Embryotoxic, Teratogenic, or Mutagenic:	No components identified at 0.1% or greater as causing Reproductive or Gonadotoxic effects.
Carcinogenicity:	No components listed as carcinogen or suspect carcinogen by IARC, NTP, EU or OSHA at 0.1% or greater.
Reproductive Toxicity:	No components identified at 0.1% or greater as causing Reproductive or Gonadotoxic effects.
Specific Target Organ Toxicity (STOT):	No known Specific Target Organ Toxicity when used as directed.

CARCINOGENS :

IARC :	NONE	**OSHA :**	NONE
NTP :	NONE	**EU :**	YES

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Material should not harm aquatic life, but avoid all releases to the aquatic environment.
12.2 Persistence & Degradability	No persistence and biodegradability data available.
12.3 Bioaccumulative Potential	No known bioaccumalative potential.
12.4 Mobility in Soil	Spillage of material can lead to penetration into soil and groundwaters.
12.5 PBT and vPvB Assessment	This product does NOT contain substances which are persistent , bioaccumulative and toxic, or substances that are very persistent or very bioaccumulative per REACH Annex XIII .
12.6 Other Adverse Effects	No other adverse affects known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste Disposal:	Dispose of this material and its container to waste collection point. Disposal must be done according to official regulations. Do not empty into drain or the aquatic environment.
Ecology - waste materials:	Dispose of all waste in accordance with federal, state, and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT (LAND)	Not regulated by DOT
I.A.T.A / I.C.A.O (AIR)	Not regulated by IATA
I.M.D.G (SEA)	Not regulated by IMDG

ERG Info:

Reportable Quantity:

Placard:

14.5 Environmental Hazards	This mixture is not considered environmentally hazardous according to the UN Model Regulations and is not considered a marine pollutant according to the IMDG Code.
14.6 Special Precautions	No other special precautions are required for transport of this mixture.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations.

INGREDIENT	CAS NUMBER	CERCLA	SARA 313	SARA 302	REACH SVHC List	ROHS 2
AMMONIUM CHLORIDE UNTREATED	12125-02-9	X				
BORIC ACID CC GRADE	10043-35-3				X	

NATIONAL INVENTORIES:

AICS (Australia):	Components listed	ECN (Taiwan):	Components listed
DSL (Canada):	Components listed	NDSL (Canada):	Not all components listed
ECL (Korea):	Components listed	NZIoC (New Zealand):	Components listed
EINECS (Europe):	Components listed	PICCS (Philippines):	Status not determined
ENCS (Japan):	Components listed	SWISS (Switzerland):	Status not determined
IECSC (China):	Components listed	TSCA (USA):	Components listed

WHMIS: Components listed as CANADA WHMIS Class D2A - Materials Causing Other Toxic Effects.

Components listed as CANADA WHMIS Class D2B - Materials Causing Other Toxic Effects.

15.2 Chemical Safety Assessment A Chemical Safety Assessment has not been carried out for this mixture by the supplier.

SECTION 16 : OTHER INFORMATION

16.1 Method of Evaluation

Mixture hazard classification per UN GHS Purple Book, (EC) 1272/2008 Article 9(4), OSHA Haz-Com 2012.

16.3 Other Information

This information is provided in good faith from current, reliable sources and is believed to be correct. No warranty is expressed, implied, or given. The seller of this material assumes no responsibility for any damages resulting from contact with this material

16.4 Revision History

7/30/20: New Release