

SAFETY DATA SHEET

Product Name : *ChemWorld Rust Xtrem*

Date Issued : December 3, 2015

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: ChemWorld Rust Xtrem
Formula : Multi-component mixture

Chemical Synonym / C# : c820
Chemical Family: Acid

Supplier: ChemWorld.Com 885 Woodstock Road, Ste 430-111 Roswell, GA 30075
Information Telephone: 1-800-658-7716 or **Emergency Telephone :** (855) 347-8203

SECTION 2 : HAZARD IDENTIFICATION

Form : Liquid **Color :** Clear amber

Emergency Overview : Solutions and powders are severe eye irritants, and prolonged or repeated contact may cause skin irritation. Dusts and mists are irritating to the skin, mucous membranes, and upper respiratory tract. Read the entire SDS for a more thorough evaluation of the hazards.

OSHA Hazard Communication Standard : This product has been evaluated and classified as defined by OSHA Hazard Communication Standard, 29CFR 1910.1200.

GHS Classification :

- Skin Irritation (category 2)
- Eye Irritation (category 2A)
- Acute Hazards to Aquatic Environment (category 3)
- Chronic Hazards to Aquatic Environment (category 3)

Signal Word : Danger



GHS Hazard Pictograms : Exclamation Mark

Hazard Statements :

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements :

- P102 Keep out of reach of children.
- P202 Do not handle until all safety precautions have been read and understood.
- P234 - Keep only in original container.
- P260: Do not breathe dust / fume / gas / mist / vapors / spray.
- P264 - Wash thoroughly after handling.
- P273 Avoid release into the environment.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P303+P361+P352 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. 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.
- P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P363 - Wash contaminated clothing before reuse.
- P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P309 + P311 IF exposed or if you feel unwell: call a POISON CENTER or doctor/physician.
- P390 - Absorb spillage to prevent material damage.

SAFETY DATA SHEET

Product Name : *ChemWorld Rust Xtrem*

Date Issued : December 3, 2015

Precautionary Statements, continued :

P405 : Store locked up.

P406 : Store in corrosive resistant/ container with a resistant inner liner.

P501: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards which do not result in classification :

None known. See Section 11 for Potential Health Hazards

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	% (w/w)
Sulfamic Acid	5329-14-6	30 - 40

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

SECTION 4 : FIRST AID MEASURES

General: Consult a physician.

Eye Contact: Immediately flush contacted area repeatedly with water for at least 15 minutes, holding eyelids open. Contact a physician for treatment.

Skin Contact: Immediately flush contacted area repeatedly with soap and water for at least 15 minutes. If irritation persists, contact a physician for treatment.

Inhalation: Move victim to fresh air. If irritation persists, seek medical attention.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water.

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media: None required.

Fire Fighting Procedures: Use caution when fighting any fire. Adequate respiratory protection is essential.

Unusual Fire and Explosion Hazards: None known.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions : Use suitable protective equipment (See Section 8 : "Exposure controls / personal protection").

Steps to be taken in case material is released or spilled:

Small Spill: Absorb with suitable absorbent such as sand or vermiculite.

Large Spill: Stop leak at source and contain spill with dike made of inert material such as sand or diatomaceous earth. Pump material to suitable container for possible reuse.

Solid spill: Sweep up and return to container.

SAFETY DATA SHEET

Product Name : *ChemWorld Rust Xtrem*

Date Issued : December 3, 2015

SECTION 7 : HANDLING AND STORAGE

Handling: Handle with care. Wash thoroughly after handling. Launder contaminated clothing before reuse. Addition of **Sulfamic Acid** to water releases heat which can result in violent boiling and spattering. Always add slowly and in small amounts. Never use hot water. Never add water to acids. Always add acids to water.

Storage Requirements: Keep container closed. For Industrial and commercial use only!

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredient	ACGIH TLV (mg/m3) TWA	ACGIH TLV (mg/m3) STEL
Sulfamic Acid	-	-

Engineering measures :

Ventilation / Local Exhaust : General room ventilation.

Ventilation / Mechanical Recommendations: None required.

Personal protective equipment :

Respiratory Protection: Not required for properly ventilated areas.

Skin Protection: Vinyl or rubber protective gloves.

Eye Protection: Goggles or face shield.

Other Protective Equipment: Vinyl apron (optional).

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor: Clear amber liquid, odor mild acidic.

Water Solubility: complete

pH (1%): < 3

Specific Gravity: 1.18

Boiling Point (°F) : 212+

Evaporation Rate(water=1): N/A

% Volatile: N/A

Vapor Density(air=1) : N/A

Vapor Pressure(mmHg): N/A

Flash Point : None

Flash Point Method Used: N/A

Flammable Limits: LEL = N/A

UEL = N/A

SECTION 10 : STABILITY AND REACTIVITY

Hazardous Decomposition Products: **Sulfamic Acid** may form : acid vapors, ammonia, sulfur compounds.

Chemical Stability: Stable.

Conditions to Avoid: Splashing solutions, prolonged skin contact.

Incompatibility with other Substances: Strong bases and oxidizing agents. **Sulfamic Acid** mixtures or solutions should avoid contact with : chlorine, hypochlorites, strong mineral acids.

Hazardous Polymerization: Will not occur.

SAFETY DATA SHEET

Product Name : *ChemWorld Rust Xtrem*

Date Issued : December 3, 2015

SECTION 11 : TOXICOLOGICAL INFORMATION

Potential Health Hazards :

Acute: May cause severe irritation to the eyes. Dusts and mists are irritating to the skin, mucous membranes, and upper respiratory tract.

Chronic: Prolonged or repeated skin contact may result in dermatitis. Prolonged or repeated eye contact may result in conjunctivitis. May irritate respiratory airways, mucous membranes and eyes..

Inhalation: May cause mucous membrane irritation with sore throat, coughing, and shortness of breath.

Eye Contact: May cause irritation with redness, pain, possible eye burns, conjunctivitis, ulceration, and permanent cloudiness.

Skin Contact: May cause irritation with swelling, redness, and pain.

Ingestion: May cause acute gastrointestinal irritation with abdominal pain.

Toxicological Data (as Sulfamic Acid):

Acute toxicity

LD50 Oral - rat - 3,160 mg/kg (OECD Test Guideline 401)

LD50 Oral - mouse - 1,312 mg/kg Remarks: Behavioral:Excitement. Behavioral:Altered sleep time (including change in righting reflex).

LD50 Oral - guinea pig - 1,050 mg/kg Remarks: Behavioral:Excitement. Behavioral:Altered sleep time (including change in righting reflex).

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation

Skin - rabbit Result: Moderate skin irritation (OECD Test Guideline 404)

Skin - Human Result: Mild skin irritation

Serious eye damage/eye irritation

Eyes - rabbit Result: Moderate eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitisation no data available

Germ cell mutagenicity no data available

Reproductive toxicity no data available

Specific target organ toxicity - single exposure no data available

Specific target organ toxicity - repeated exposure no data available

Aspiration hazard no data available

Additional Information Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Symptoms and signs of poisoning are:, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Inhalation may provoke the following symptoms: spasm, inflammation and edema of the bronchi, spasm, inflammation and edema of the larynx, Aspiration or inhalation may cause chemical pneumonitis.

Carcinogenicity: This product does not contain any materials considered to be carcinogenous according to OSHA, NTP, IARC, or ACGIH.

SAFETY DATA SHEET

Product Name : *ChemWorld Rust Xtrem*

Date Issued : December 3, 2015

SECTION 12 : ECOLOGICAL INFORMATION

Exotoxicological Information (as Sulfamic Acid):

Toxicity

Toxicity to fish static test LC50 - *Pimephales promelas* (fathead minnow) - 70.3 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates Remarks: no data available

Toxicity to algae Remarks: no data available

Persistence and degradability

Biodegradability Result: - Not readily biodegradable.

Bioaccumulative potential no data available

Mobility in soil no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Method: Recycle, recovery and reuse of materials, where permitted, is encouraged as an alternate to disposal as a waste. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics. Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste. RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: *Ignitability, Corrosivity, Reactivity, and Toxicity*. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed.

Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No

If yes, the RCRA ID number is : N/A

SECTION 14 : TRANSPORTATION INFORMATION

Transportation Emergency Telephone Number: 3E 24 hour number : (855) 347-8203

UN Number / DOT Proper Shipping Name / DOT Hazard Class /Packing Group / DOT Label & other information:

UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
(Contains Sulfamic Acid), 8, PGIII,
(CORROSIVE, ERG#154)

SAFETY DATA SHEET

Product Name : *ChemWorld Rust Xtrem*

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SECTION 15 : REGULATORY INFORMATION

US FEDERAL REGULATIONS :

TSCA (Toxic Substances Control Act) Status : TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a) : none

SARA 302 Components - 40 CFR 355 Appendix A : none

SARA 311/312 Classification - 40 CFR 370.2 :
(as Sulfamic Acid) : acute health hazard

SARA 313 Components - 40 CFR 372.65: None

INTERNATIONAL REGULATIONS :

None known as Sulfamic Acid

STATE REGULATIONS :

California Safe Drinking Water Act (Prop. 65) Listing : None listed.

Sulfamic Acid(CAS# 5329-14-6) is listed on the following Right to Know Acts : New Jersey, Pennsylvania

SECTION 16 : OTHER INFORMATION

NFPA Rating : HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 1
NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

Revision Date : 12/3/2015

Information and data compiled to compose this SDS is correct to the best of our knowledge as of the printed date, and is offered solely for your consideration, investigation, and verification.