U. S. Corrosion Technologies, LLC
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Xtreme Clean™ Safety Data Sheet

1. IDENTIFICATION

1.1 Product Identifier

Product Name:	**Xtreme Clean™**
Product Numbers:	24001, 24002, 24004, 24005, 24103
Synonyms:	Not applicable
SDS Number:	Not applicable
Issue Date:	October 7, 2015
Version Number:	NZ 3.0
Revision Date:	April 17, 2019

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses:	Cleaner / Degreaser
Uses advised against:	Other uses are not recommended unless an assessment is completed, prior to commencement of that use, which demonstrates that the use will be controlled.

1.3 Details of the supplier of the safety data sheet

Manufacturer:	Corrosion Technologies 2638 National Drive, Garland, TX 75041
Telephone:	972-271-7361
Fax:	972-278-9721
Email:	info@corrosionx.com
Website:	www.corrosionx.com
Distributor in New Zealand:	Corrosion Control NZ 48 Riverside drive Whangarei 0112 Northland New Zealand Tel: +64 9-438-88-00 **Email: tom@corrosionx.org**

1.4 Emergency Telephone Number

Poisons Information Centre

NZ Poison emergency no: 0800 POISON (0800 764 766)

For Chemical Emergency ONLY (spill, leak, fire, exposure or accident), 24-hour emergency telephone, call CHEMTREC® New Zealand (Auckland) +(64)-98010034.

2. HAZARDS IDENTIFICATION

Hazard Classification

Health Hazard(s)

Skin Irritation	Category 2
Eye Irritation	Category 2B
Acute Toxicity - Inhalation	Category 4
Acute Toxicity - Oral	Category 4
STOT-SE	Category 3

Physical Hazard(s)

None

Hazard(s) not otherwise classified

None

Labeling

Signal Word: **WARNING**

Pictograms: Exclamation mark, Health Hazard

Statements of Hazard

Hazard Statements

Causes skin and eye irritation
Harmful if inhaled or swallowed
May cause respiratory irritation

Precautionary Statements

Wear protective gloves. Wash thoroughly after handling. Avoid breathing vapors, spray or mist. Use only outdoors or in a well-ventilated area. Take off contaminated clothing and wash it before reuse. Dispose of contents and container in accordance with applicable regulations.
If on skin: Wash with plenty of water. If skin irritation occurs: get medical attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
If swallowed: Rinse mouth. Call a doctor if you feel unwell.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
2-Butoxyethanol	111-76-2	1-5*
Sodium Metasilicate	6834-92-0	1-5*
Ethoxylated alcohol phosphate	Trade Secret	1-5*

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

4. FIRST AID MEASURES

General Advice: Causes skin and eye irritation. May be absorbed through the skin; avoid contact. Do not swallow. Avoid breathing vapor, spray or mist. Use with adequate ventilation. Keep container closed.
Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Skin Contact: Remove contaminated clothing. Wash with plenty of water. If skin irritation occurs: get medical attention.
Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical attention
Ingestion: Do not give anything by mouth to an unconscious person. Do not induce vomiting unless advised to do so by a doctor or poison control center. Rinse mouth. Call a doctor if you feel unwell.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Product does not support combustion. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Suitable: Carbon Dioxide, Dry Chemical, and Foam
Unsuitable: Alcohol, Alcohol based solutions
Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool fire-exposed containers with water spray.
Unusual Fire and Explosion Hazards: Flammable hydrogen gas may be produced on contact with tin, lead and zinc.
Hazardous Combustion/ Decomposition Products: Oxides of carbon, phosphorous, sulfur and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures: Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment.
Methods and materials for containment and cleaning up: Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer liquid to plastic containers. Do not store or dispense into metal containers; especially aluminum. Use clean non-sparking tools to collect absorbed material and transfer to a properly labeled container for recovery or disposal according to local / national regulations.

7. HANDLING AND STORAGE

HANDLING
Precautions for Safe Handling: Avoid skin and eye contact. Use with adequate ventilation. The headspace of unopened containers and empty containers may contain trace amounts of ethylene oxide. Avoid breathing vapor and mist. Follow all SDS/label precautions.
STORAGE
Conditions to avoid: Store in a cool, dry, well-ventilated place in the original container. Separate from acids, reactive metals, and ammonium salts. Do not store or transfer in fiberglass, copper, brass, zinc or galvanized containers. Keep container closed when not in use. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

	ACGIH		OSHA			
Component	**TLV ppm**	**TLV mg/m3**	**PEL ppm**	**PEL mg/m3**	**STEL ppm**	**STEL mg/m3**
2-Butoxyethanol	20 (Skin)	Not Est.	50	240	Not Est.	Not Est.
Sodium Metasilicate	Not Est.	2**	Not Est.	Not Est.	Not Est.	Not Est.
Ethoxylated alcohol phosphate	Not Est.	Not Est.	Not Est.	Not Est.	Not Est.	Not Est.
Ethylene Oxide	1	Not Est.	Not Est.	Not Est.	Not Est.	9

**Manufacturers recommended exposure limit
Engineering Controls: Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
Personal Protection
Respiratory Protection: None required under normal use conditions. In case of insufficient ventilation, wear a suitable NIOSH approved air purifying respirator.
Hand / Skin Protection: Wear impermeable gloves such as neoprene or nitrile rubber gloves. Gauntlets and apron may be worn depending on the extent of exposure.
Eye / Face Protection: Safety glasses with side-shields.
General Hygiene Measures: Avoid contact. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use. An eyewash station and washing facilities should be readily accessible to the area of use. See 29 CFR 1910.132-138 for further guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent	**Autoignition Temperature:**	Not applicable
Physical State:	Non-viscous liquid	**Volatile by volume (%):**	92
Odor:	Pleasant	**Vapor Density (Air=1):**	1
Color:	Blue	**Evaporation Rate (BuAc= 1):**	<1
Viscosity, cSt @ 40°C:	Not established	**Vapor Pressure, mmHg @23°C:**	21.1
cSt @ 100°C:	Not established	**Solubility in water:**	Complete
pH:	11.2-11.4	**Octanol/Water Partition**	
Boiling Point/ Range:	>200°F / 93°C	2-Butoxyethanol log Kow	0.81
Melting Point:	>32°F / 0°C	**VOC Content (g/L) (%):**	50 (5)
Flash Point:	Non-flammable	**Specific Gravity @15.6°C:**	1.02
Method:	Not applicable	**Pour Point:**	>32°F / 0°C
Lower Explosive Limit, vol %:	Hydrogen, 4	**Non-volatile by Volume (%):**	8
Upper Explosive Limit, vol %:	Hydrogen, 75	**Dielectric Strength:**	Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures.
Conditions to Avoid: None known
Hazardous Polymerization: Will not occur.
Materials to Avoid: Reactive metals, glass, oxidizing agents, acids. May react with ammonium salt solutions resulting in evolution of ammonia gas. Carbon monoxide gas may be produced on contact with reducing sugars.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Product Information: Not established
Ingredient Information
2-Butoxyethanol: Orl-Rat LD50 - 470 mg/kg, Skn-Rbt LD50 - 220 mg/kg, Ihl-Rat LC50 - 450 ppm 4 h
Sodium metasilicate: Orl-Rat LD50 - 600 mg/kg
Ethoxylated alcohol phosphate: Orl-Rat LD50 - 15,300 mg/kg (estimated), Skn-Rbt LD50 - 27,400 mg/kg (estimated)
Acute Effects
Signs and Symptoms of Overexposure: Skin and eye **i**rritation, Coughing, Sneezing
Inhalation: Vapor and mist may cause respiratory irritation with nasal discomfort and discharge, coughing and sneezing.
Skin Contact: May cause redness, tearing and itching. May be absorbed through skin in harmful amounts.
Eye Contact: May cause tearing and redness.
Ingestion: May cause, nausea, vomiting and diarrhea.
Primary Route(s) of Exposure: Eyes, Skin, Inhalation
Primary Route(s) of Entry: Inhalation, Ingestion, Skin Contact
Target Organs: Liver, kidneys, lymphatic system, skin, blood, eyes, CNS, respiratory system

Chronic Effects
2-Butoxyethanol Target Organ Effects: liver, kidneys, lymphatic system, skin, blood, eyes, CNS, respiratory system
Carcinogenicity: 2-Butoxyethanol: ACGIH A3 IARC Group 3; Not classifiable as to its carcinogenicity to humans
Medical Conditions Aggravated by Exposure: May aggravate existing skin, eye and respiratory conditions including asthma and dermatitis.

12. ECOLOGICAL INFORMATION

Product Data: Not established
Ingredient Data
2-Butoxyethanol: Toxicity to Fish LC50 = 1490 mg/L Lepomis macrochirus 96 h, Water Flea EC50 1698 - 1940 mg/L 24 h Daphnia magna, 1000 mg/L 48 h Daphnia magna
Sodium metasilicate: Toxicity to Fish LC50 = 210 mg/L Brachydanio rerio 96 h, Water Flea EC50 216 mg/L 96 h Daphnia magna
Elimination Information: 2-Butoxyethanol: log Kow 0.81

13. DISPOSAL CONSIDERATIONS

Product: Dispose of in accordance with applicable regulations.
Container: Empty remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

Road Transport
DOT Hazard Class: Non-Regulated

Sea Transport
IMDG/GGV See Class: Non-Regulated

Air Transport
ICAO/IATA Class: Non-Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations
Toxic Substances Control Act (TSCA): All components are included on the Inventory
Superfund Amendments and Reauthorization Act (SARA) Title III:

Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
X	X	-	-	-

New Zealand
HSNO classification 6.3A, 6.4A, 6.1D, 6.1E

16. OTHER INFORMATION

Prepared by: Corrosion Technologies Technical Services Department
Revision Date: 04/17/2019 **Supersedes Date:** 8/30/2016
Revision Indicator: v2.0

National Fire Protection Association (704)
Health: 1 Flammability: 1 Reactivity: 0 Other: -

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal,

State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: Corrosion Technologies (972) 271-7361.