

SECTION 1 – PRODUCT IDENTIFICATION

Product Name: eXtra Heavy Duty Cleaner
Identified Uses : Developed for use as a Cleaner/Degreaser
Product Code: #184332 (1) Gallon Container
#184331 Case of (4) 1-Gallon Containers W/Pump
Made in USA For: BETTCHER INDUSTRIES, INC.
6801 State Route 60
Birmingham, Ohio 44889 USA
Customer Service: 1-440-965-4422 | 1-800-321-8763
General E-mail: sales@bettcher.com | www.bettcher.com
Emergency Phone # : 800-535-5053 Domestic (INFOTRAC)
352-323-3500 International (INFOTRAC)

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification

Skin Corrosion/Irritation: Category 1B
Eye Damage/Irritation: Category 1
Signal Word: DANGER



Symbols:

Emergency Overview

Physical State: Liquid
Color: Green, clear
Odor: Fresh
OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazard Statements

Causes Severe Skin Burns and Eye Damage

Causes Serious Eye Damage

Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dusts or mists.

Precautionary Statements – Response

- If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
- If Swallowed: Rinse mouth. Do NOT induce vomiting.
- If On Skin (Or Hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.
- In Inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

Precautionary Statement – Storage

Store locked up.

Precautionary Statement – Disposal

Dispose of contents/container in accordance with local, regional and national regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Percent Wt.
Water	7732-18-5	75-100%
Surfactant	26027-38-3	1-5%
Sodium Metasilicate	6834-92-0	1-5%
Ethylene Glycol Monobutyl Ether	111-76-2	1-5%
TKPP	7320-34-5	1-5%
Trisodium Phosphate	10101-89-0	1-5%
Ethoxylated Alcohols	66455-15-9	1-5%
Xylene Sulfonate	1300-72-7	1-5%

The balance of the chemicals in this mixture are either considered nonhazardous or are below the listing limits for hazardous substances. These chemicals are considered trade secrets. The specific identity of these chemicals is available to health professionals.

SECTION 4 – FIRST AID MEASURESFirst Aid Measures

- Eye Contact: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
- Skin Contact: If on skin (or hair), take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a poison center or doctor.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

Ingestion: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms and Effects – Acute and Delayed

Symptoms: Direct contact with eyes causes serious damage. Substance causes serious skin burns.

Indication Of Any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: None

Specific Hazards Arising From The Chemical: Dried products capable of burning. Combustion products are toxic.

Protective Equipment & Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Use personal protective equipment as required. Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Methods and Materials for Containment and Clean Up

Methods for Containment: For small spills, absorb on poly-pads or other suitable non-reactive absorbent material. Prevent further leakage or spillage if safe to do so.

Methods for Clean Up: Sweep up and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state and local regulations.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Use only in well ventilated areas. Do not breathe vapors or spray mist.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well ventilated place. Keep out of the reach of children.

Incompatible Materials: Strong acids/oxidizing agents

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION
--

Exposure Guidelines

<u>Chemical Name</u>	<u>ACHIH TLV</u>	<u>OSHA PEL</u>	<u>NOSH IDLH</u>
Sodium Metasilicate 6834-92-0	No data available	No data available	No data available
Surfactant 26027-38-3	No data available	No data available	No data available
Dodecylamine Oxide 1643-20-5	No data available	No data available	No data available
Ethylene Glycol Monobutyl Ether 111-76-2	20 ppm TWA	50 ppm, 24 mg/m ³ TWA OSHA Z-1 240 mg TWA OSHA P0	5 ppm, 24 mg/m ³ TWA
TKPP 7320-34-5	10 mg/m ³ inhalable dust 3 mg/m ³ respirable dust	15 mg/m ³ dust 5 mg/m ³ nuisance dust	
Trisodium Phosphate 10101-89-0	No data available	No data available	No data available
Ethoxylated Alcohols 66455-15-9	No data available	No data available	No data available
Sodium Xylene Sulfonate 1300-72-7	No data available	No data available	No data available

Recommended Monitoring Procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or other biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Appropriate Engineering Controls: Use only with adequate ventilation. If user operations generate dust, fumes, vapors, gas or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the bathroom and at the end of the working periods.

Individual Protection Measures, Such As Personal Protective Equipment

Eye/Face Protection: Avoid contact with eyes. Wear safety eyewear.

Skin and Body Protection: Wear suitable protective clothing. Use impervious gloves.

Respiratory Protection: Not required with expected use. Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Clear Green
Odor:	Fresh
Color:	Green
Odor Threshold:	Not determined
pH:	13.5
Melting Point/Freezing Point:	Not determined
Boiling Point/Boiling Range:	212 Deg F
Flash Point:	n/a (tcp)
Evaporation Rate:	(H ₂ O=1) = 1
Flammability (Solid, Gas):	n/a - liquid
Upper Flammability Limits:	UEL = n/a
Lower Flammability Limits:	LEL = n/a
Vapor Pressure:	20@68F
Vapor Density:	Not determined
Specific Gravity:	1.079
Water Solubility:	Soluble in water
Solubility in Other Solvents:	Not determined
Partition Coefficient:	Not determined
Auto-Ignition Temperature:	Not determined
Decomposition Temperature Kinematic:	Not determined
Viscosity:	Not determined
Dynamic Viscosity:	Not determined
Explosive Properties Oxidizing:	Not determined
Properties:	Not determined

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions
 Chemical Stability: Stable under recommended storage conditions
 Possibility of Hazardous Reactions: None under normal processing
 Hazardous Polymerization: Hazardous polymerization does not occur
 Conditions to Avoid: Keep out of reach of children
 Incompatible Materials: Strong acids/oxidizers
 Hazardous Decomposition Products: Alkaline vapors in a fire

SECTION 11 – TOXICOLOGICAL INFORMATION
Information on Likely Routes of Exposure

Eye Contact: Causes severe eye damage
 Skin Contact: Causes severe skin burns
 Inhalation: Irritating to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.
 Ingestion: May be harmful if swallowed

<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
Water	90,000 mg/kg (rat)	Data not available	Data not available
Sodium Metasilicate 6834-92-0	2,350 mg/kg (rat)	Data not available	Data not available
Surfactant 26027-38-3	3,000 mg/kg (rat)	2,500 mg/kg (rat)	Data not available
Dodecylamine Oxide 1643-20-5	5,000 mg/kg	Data not available	Data not available
Ethylene Glycol Monobutyl Ether 111-76-2	1,200 mg/kg (guinea pig)	>2,000 mg/kg	663, ppm 4 h
TKPP 7320-34-5	2,980 mg/kg (rat)	7,940 mg/kg (rabbit)	Data not available
Trisodium Phosphate 10101-89-0	7,400 mg/kg (rat)	Data not available	Data not available
Ethoxylated Alcohols 66455-15-9	1,400 mg/kg (rat)	>2,000 mg/kg (rabbit)	Data not available
Sodium Xylene Sulfonate 1300-72-7	7,200 mg/kg (rat)	>2,000 mg/kg (rabbit)	Data not available

Information on Physical Chemical and Toxicological Effects

Symptoms: Please see Section 4 of this SDS for symptoms

Delayed And Immediate Effects As Well As Chronic Effects From Short And Long Term Exposure

Carcinogenicity: This products does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

Numerical Measures of Toxicity

ATEmix-oral: mg/kg

SECTION 12 – ECOLOGICAL INFORMATION
Ecotoxicity

<u>Chemical Name</u>	<u>Algae/Aquatic Plants</u>	<u>Fish</u>	<u>Toxicity to Micro-Organisms</u>	<u>Crustacea</u>
Sodium Metasilicate 6834-92-0	EC50: (Scenedesmus subspicatus): 72 h: 207 mg/L	LC50: 96 h (Brachydanio rerio): 210 mg/L	Data Not Available	EC50: Daphnia magna 48h: >1700 mg/L
Surfactant 26027-38-3	EC50: (Scenedesmus subspicatus): .0325 mg/L	LC50: (Oryzias latipes): 29.9 mg/L	Data Not Available	EC50: Daphnia magna: 7.4 mg/L
Dodecylamine Oxide 1643-20-5	Data Not Available	Data Not Available	Data Not Available	Data Not Available
Ethylene Glycol Monobutyl Ether 111-76-2	EC50: (Pseudokirchneriella subcapitata (green algae): 911 mg/L Endpoint: Biomass	LC50 (Oncorhynchus mykiss (rainbow trout): 1,474 mg/L	Data Not Available	EC50: Daphnia magna (water flea): 1,800 mg/L Exposure time: 48h
TKPP 7320-34-5	Data Not Available	Rainbow Trout 96h: >100 mg/L	Data Not Available	Mysid Shrimp 96h: >100 mg/L
Trisodium Phosphate 10101-89-0	Data Not Available	EC50: Mosquito Fish: 151 mg/L	Data Not Available	Data Not Available
Ethoxylated Alcohols 66455-15-9	Data Not Available	Data Not Available	Data Not Available	Data Not Available
Sodium Xylene Sulfonate 1300-72-7	EC 50 algae: 230 mg/kg	Rainbow Trout 96h: > 1000 mg/L	Data Not Available	

Persistence and Degradability: Not determined

Bioaccumulation: Not expected to bio accumulate significantly

Other Adverse Effects: Not determined

SECTION 13 – DISPOSAL CONSIDERATIONSWaste Treatment Methods

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations

SECTION 14 – TRANSPORT INFORMATION

Note: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

DOT: Not regulated

IATA: Not available

IMDG: Not available

TDG: Not regulated

SECTION 15 – REGULATORY INFORMATIONInternational Inventories: Not determinedUS Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No	Weight %
Ethylene Glycol Monobutyl Ether	111-76-2	1-5%

U.S. State Right-To-Know Regulations

<u>Chemical Name</u>	<u>New Jersey</u>	<u>Massachusetts</u>	<u>Pennsylvania</u>
Ethylene Glycol Monobutyl Ether	90-100%	90-100%	90-100%
Trisodium Phosphate	X	X	X

California Prop 65: This product contains no chemicals known to the State of California to cause cancer and reproductive toxicity

SECTION 16 – OTHER INFORMATION

NFPA	Health	Not determined
	Flammability	Not determined
	Instability	Not determined
	Special Hazards	Not determined
HMIS	Health	2
	Flammability	0
	Physical Hazards	0
	Personal Protection	B

The information and recommendations contained herein are, to the best of Bettcher Industries' and the manufacturer of this product, accurate and reliable as of the date issued. Bettcher and the manufacturer shall not be liable for any loss or damage arising out of the use thereof. The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use.

PLEASE NOTE: "The above information is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, Bettcher Industries, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use."