

Sterling Degreaser

Date: 3/23/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Sterling Degreaser

Other Means of Identification

Product Code ACP-790

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Heavy duty, degreaser/cleaner.

Details of the Supplier of the Safety Data Sheet

Manufacturer Address Arrow Chemical Products, Inc.
5933 W. KL Ave
Kalamazoo, MI 49009

Emergency Telephone Number

Company Phone Number 313-237-0277
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 1 Subcategory C
Serious Eye Damage/Eye Irritation	Category 1

Signal Word **DANGER**

Hazard Statements

Causes severe skin burns and eye damage
Harmful if swallowed
May be harmful if inhaled
May cause respiratory irritation



Appearance: Purple or clear liquid

Physical State: Liquid

Odor: Detergent

Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection.
 Do not eat, drink or smoke when using this product
 Do not breathe mist/vapors/spray
 Use only in well ventilated areas
 Do not ingest.

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with water for several minutes. If irritation occurs seek medical attention. Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a physician if irritation occurs.
IF SWALLOWED: Immediately call local poison control center or physician for treatment advice. Rinse mouth. Do NOT induce vomiting.

Precautionary Statements - Storage

Store in a cool dry place. Keep containers tightly closed in upright position to prevent leakage.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
2-Butoxyethanol	111-76-2	5 - 10
Sodium metasilicate	6834-92-0	0 - 5
Sodium xylenesulfonate	1300-72-7	0 - 5
Sodium hydroxide	1310-73-2	0 - 5

The specific identity and/or exact percentages are being withheld a trade secret. The balance of ingredients are not hazardous by GHS.

4. FIRST AID MEASURES

First Aid Measures

- Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek immediate medical attention if irritation occurs.
- Eye Contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation occurs.
- Ingestion** Rinse mouth. Call local poison control center or physician for treatment advice.
- Skin Contact** Remove/Take off immediately all contaminated clothing. Flush skin with water for several minutes. Seek medical attention if irritation occurs.

Indication of any Immediate Medical Attention and Special Treatment Needed

- Symptoms** Irritating to skin. Repeated exposure may cause skin drying or cracking. Contact with eyes causes serious damage. Do not taste or swallow.
- Note to Physicians** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use dry chemical, water spray, fog or foam.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical

None known.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so. Collect using an inert absorbent material and place in appropriate containers for disposal. Prevent entry into waterways, sewer, basements or confined areas.

Methods for Cleaning Up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling Read entire safety data sheet and label before use.

Advice on Safe Handling Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe mist/vapors/spray. Use in well-ventilated areas.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store in a cool, dry place. Keep containers tightly closed and in upright position to prevent leakage. KEEP OUT OF THE REACH OF CHILDREN.

Incompatible Materials Strong acids. Oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm	TWA: 5 ppm
Sodium metasilicate 6834-92-0	2 mg/m ³	2 mg/m ³	-
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³

Appropriate Engineering Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Provide eye wash station and safety shower facilities.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Splash goggles or safety glasses. Face-shields are recommended when the task can generate splashes, sprays or mists.

Skin and Body Protection Rubber or impervious gloves.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Detergent
Appearance	Green Liquid	Odor Threshold	Not determined
Color	Green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	11.5-12.5	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	212°F	
Flash Point	Product does not sustain combustion	
Evaporation Rate	<1	Water = 1
Flammability (Solid, Gas)	Not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.07	
Water Solubility	Soluble in water	
Solubility in Other Solvents	Not determined	

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

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

- Inhalation** Harmful by inhalation. May cause irritation to respiratory tract and difficulty breathing.
- Eye Contact** Irritating to the eyes. May cause severe eye damage.
- Skin Contact** Irritating to skin. Causes severe skin burns.
- Ingestion** Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h
Sodium metasilicate 6834-92-0	= 600 mg/kg (Rat)	-	-
Sodium xylenesulfonate 1300-72-7	= 7200 mg/kg (Rat)	-	-
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

- Symptoms** Skin contact may cause pain, redness and drying or defatting of the skin. Eye contact will cause pain, redness and possible damage. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

- Carcinogenicity** No components of this product present at levels greater than or equal to 0.1% is identified a probable, possible or confirmed human carcinogen by IARC, ACGIH, OSHA, or NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-Butoxyethanol 111-76-2		LC50 Lepomis macrochirus 1490 mg/L 96 h		EC50 Daphnia magna 1698 1940 mg/L 96 h
Sodium metasilicate 6834-92-0		LC50 Brachydanio rerio 210 mg/L 96 h		EC50 Daphnia magna 1700 mg/L 48 h
Sodium hydroxide 1310-73-2		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		
Sodium Xylene Sulfonate 5989-27-5		LC50 Pimephales promelas 13500 – 14500 96h		EC50: Daphnia magna 2564 mg/L 48 h

Persistence and Degradability

Biodegradable

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste 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.

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 regulated
- IMDG** Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

US Federal Regulations

CERCLA Reportable Quantity

The following components are listed:

Chemical Name	CAS Number	CERCLA RQ
Sodium Hydroxide	1310-73-2	1000 lbs.

SARA 313

No ingredients contain chemical that require reporting under SARA Title III Section 313.

US State Regulations

California Proposition 65

No components of this product are listed under CA Proposition 65.

U.S. State Right-to-Know Regulations

The following ingredients have been listed:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-Butoxyethanol 111-76-2	X	X	X
Sodium Metasilicate 6834-92-0	X	X	X
Sodium Hydroxide 1310-73-2	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Reactivity	Personal Protection
	2	0	0	B

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet