



# SAFETY DATA SHEET

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

Product Name OVEN CLEANER AND DEGREASER

### Other means of identification

Product Code(s) 159178

Synonyms N/A

### Recommended use of the chemical and restrictions on use

Recommended Use Degreasing Agent

Uses advised against No Information Available

### Supplier's details

**Supplier Address**  
Birsch Industries  
476 Viking Drive  
Virginia Beach, VA. 23452  
TEL: 757-622-0355

### Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.  
24 Hour Emergency Contact 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

METAL CORROSION – Category 1  
SKIN CORROSION/IRRITATION – Category 1B  
TARGET ORGAN SYSTEMIC TOXICITY – SINGLE EXPOSURE – Category 3

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal Word DANGER

**Hazard Statements**

- May be corrosive to metals.
- Causes severe skin burns and eye damage.
- May cause respiratory irritation.

**Appearance** Yellow**Physical State** Liquid**Odor** Characteristic**Symbol:****Precautionary Statements****Prevention**

Do not breathe mist/vapors/spray. Wear protective gloves/protective clothing/eye protection. Keep only in original container. Wash thoroughly after handling. Call a poison center/doctor if you feel unwell.

**Eyes**

IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

**Ingestion**

IF SWALLOWED, rinse mouth. Do NOT induce vomiting.

**Skin**

IF ON SKIN, remove immediately call contaminated clothing. Rinse skin with water.

**Inhalation**

IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Storage and Disposal**

Store in corrosive resistant container with a resistant inner liner. Store in a well-ventilated place. Keep container tightly closed. Absorb spillage to prevent material damage. Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms**

Chemical Name	CAS-No	Weight %	Notes
Sodium hydroxide	1310-73-2	1 – 5	*
2-butoxyethanol	111-76-2	1 – 5	*
2-aminoethanol	141-43-5	1 – 5	*
Disodium metasilicate	6834-92-0	1 – 5	*
Sodium xylenesulphonate	1300-72-7	1 – 5	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of necessary first-aid measures****General Information**

Immediately remove any clothing soiled by the product. Take affected persons out into the fresh air.

**Eye Contact**

Remove contact lenses if worn. Rinse opened eye for several minutes under running water. Then consult a doctor.

<b>Skin Contact</b>	Immediately rinse with water. If skin irritation continues, consult a doctor.
<b>Inhalation</b>	Supply fresh air; consult doctor in case of complaints.
<b>Ingestion</b>	Rinse out mouth and then drink plenty of water. Do NOT induce vomiting; immediately call for medical help.

**Indication of immediate medical attention and special treatment needed, if necessary**

<b>Notes to Physician</b>	Coughing. Breathing difficulty. Dizziness. Gastric or intestinal disorders when ingested. Strong caustic effect on skin and mucous membranes. May cause respiratory irritation. Nausea in case of ingestion. Danger of gastric perforation. Causes serious eye damage. Danger of impaired breathing.
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**Indication of Any Immediate Medical Attention and Special Treatment** Medical supervision for at least 48 hours. Oxygen respiration treatment, if necessary.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Specific Hazards Arising from the Chemical**

During heating or in case of fire, poisonous gases are produced.

**Hazardous Thermal Decomposition Products**

No information available

**Specific Fire-Fighting Methods**

No information available

**Protective Equipment and Precautions for Firefighters**

Wear self-contained respiratory protective device. Wear fully protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Wear protective equipment. Keep unprotected persons away. For large spills, use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation. Particular danger of slipping on leaked or spilled product.
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**Environmental Precautions**

<b>Environmental Precautions</b>	No special measure required.
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**Methods and materials for containment and cleaning up**

<b>Methods for Cleaning Up</b>	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Send for recovery or disposal in suitable receptacles. Clean the affected area with warm water.
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## 7. HANDLING AND STORAGE

**Precautions for safe handling**

<b>Handling</b>	Prevent formation of aerosols. Use only in well ventilated areas. Avoid splashes or spray in enclosed areas.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage</b>	Store only in original receptacle. Provide ventilation for receptacles. Do NOT use aluminum receptacles. Store away from foodstuffs.
<b>Incompatible Products</b>	Store away from acids.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### **Components with limit values that require monitoring at the workplace:**

	<b>1310-73-2 Sodium hydroxide</b>
<b>PEL (USA)</b>	Long-term value: 2 mg/m <sup>3</sup>
<b>REL (USA)</b>	Ceiling limit value: 2 mg/m <sup>3</sup>
<b>TLV (USA)</b>	Ceiling limit value: 2 mg/m <sup>3</sup>
<b>EL (Canada)</b>	Ceiling limit value: 2 mg/m <sup>3</sup>
<b>EV (Canada)</b>	Ceiling limit value: 2 mg/m <sup>3</sup>
<b>LMPE (Mexico)</b>	Ceiling limit value: 2 mg/m <sup>3</sup>
	<b>111-76-2 2-butoxyethanol</b>
<b>PEL (USA)</b>	Long-term value: 240 mg/m <sup>3</sup> , 50 ppm
<b>REL (USA)</b>	Long-term value: 24 mg/m <sup>3</sup> , 5 ppm
<b>TLV (USA)</b>	Long-term value: 97 mg/m <sup>3</sup> , 20 ppm
<b>EL (Canada)</b>	Long-term value: 20 ppm
<b>EV (Canada)</b>	Long-term value: 20 ppm
<b>LMPE (Mexico)</b>	Long-term value: 20 ppm
	<b>141-43-5 2-aminoethanol</b>
<b>PEL (USA)</b>	Long-term value: 6mg/m <sup>3</sup> , 3 ppm
<b>REL (USA)</b>	Short-term value: 15 mg/m <sup>3</sup> , 6 ppm Long-term value 8 mg/m <sup>3</sup> , 3 ppm
<b>TLV (USA)</b>	Short-term value: 15 mg/m <sup>3</sup> , 6 ppm Long-term value: 7.5 mg/m <sup>3</sup> , 3 ppm
<b>EL (Canada)</b>	Short-term value: 6 ppm Long-term value: 3 ppm
<b>EV (Canada)</b>	Short-term value: 15 mg/m <sup>3</sup> , 6 ppm Long-term value: 7.5 mg/m <sup>3</sup> , 3 ppm
<b>LMPE (Mexico)</b>	Short-term value: 6 ppm Long-term value: 3 ppm

#### **General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Do not inhale gases/fumes/aerosols.

#### **Appropriate engineering controls**

No information available.

#### **Individual protection measures, such as personal protective equipment**

<b>Eye &amp; Face Protection</b>	Safety glasses.
<b>Hand &amp; Skin Protection</b>	Protective gloves: The glove material has to be impermeable and resistant to the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
<b>Respiratory Protection</b>	Use suitable respiratory protective device when aerosol or mist is formed. Use suitable respiratory protective device when high concentrations are present. For spills, respiratory protection may be advisable.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Appearance</b>	Yellow
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Odor	Characteristic	Odor Threshold	No information available
<b>Property</b>	<b>Values</b>		
pH	14		
Melting Point/Range	No data available		
Boiling Point/Boiling Range	> 100° C		
Flash Point	> 94° C		
Evaporation rate	No data available		
Flammability (solid, gas)	No data available		
Flammability Limits in Air			
upper flammability limit	No data available		
lower flammability limit	No data available		
Vapor Pressure	23 hPa (17 mm Hg)		
Vapor Density	1.15 g/cm <sup>3</sup> (9.597 lbs/gal)		
Relative Density	No data available		
Specific Gravity	No data available		
Water Solubility	100		
Solubility in other solvents	No data available		
Partition coefficient: n-octanol/water	No data available		
Autoignition Temperature	No data available		
Decomposition Temperature	No data available		
Viscosity	No data available		
Flammable Properties	No data available		
Explosive Properties	No data available		
Oxidizing Properties	No data available		

## 10. STABILITY AND REACTIVITY

### Stability

The product is stable

### Possibility of hazardous reactions

Strong exothermic reaction with acids. Reacts with certain metals. Toxic fumes may be released if heated above the decomposition point.

### Conditions to avoid

No information available

### Incompatible materials

No information available

### Hazardous decomposition products

Under fire conditions only: Carbon monoxide, Carbon dioxide, Nitrogen oxides.

## 11. TOXICOLOGICAL INFORMATION

### Route of Exposure

Skin contact, Eye contact, Inhalation, Ingestion

Chemical Name	Oral LD50	Dermal LD50
Sodium hydroxide	2000 mg/kg (Rat)	-
2-aminoethanol	2050 mg/kg (Rat)	1000 mg/kg (Rabbit)
Disodium metasilicate	1280 mg/kg (Rat)	-

**Symptoms**

<b>Eye Contact</b>	Strong caustic effect
<b>Skin Contact</b>	Strong caustic effect on skin and mucous membranes

**Chronic Toxicity**

<b>Carcinogenicity</b>	No known significant effects or critical hazards.
<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental Effects</b>	No known significant effects or critical hazards.
<b>Fertility Effects</b>	No known significant effects or critical hazards.

**12. ECOLOGICAL INFORMATION****Toxicity**

No further relevant information available.

**Behavior in Environmental Systems**

No further relevant information available

**Additional Ecological Information**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Methods**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and non hazardous wastes. Residual materials should be treated as hazardous.

**Uncleaned Packaging**

Disposal must be made according to official regulations.

**14. TRANSPORT INFORMATION****DOT/IMDG/IATA**

<b>UN Number</b>	UN1719
<b>Proper Shipping Name</b>	Caustic alkali liquids, n.o.s. (Sodium hydroxide, Ethanolamine)
<b>Hazard Class</b>	8
<b>Packing Group</b>	II

**15. REGULATORY INFORMATION****International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372: **111-76-2 2-butoxyethanol**

**SARA 311/312 Hazard Categories**

No information available

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**US State Right-To-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

**Carcinogenic Categories**

**EPA (Environmental Protection Agency) – 111-76-2 2-butoxyethanol**

**IARC (International Agency for Research on Cancer) - 111-76-2 2-butoxyethanol**

**TLV (Threshold Limit Value established by ACGIH) - 111-76-2 2-butoxyethanol**

<b>16. OTHER INFORMATION</b>			
<b><u>NFPA</u></b>	Health 3	Flammability 1	Instability 0
<b><u>HMIS</u></b>	Health 4	Flammability 1	Physical Hazards 0
<b>Prepared By</b>	Birsch Industries 476 Viking Drive Virginia Beach, VA. 23452 TEL: 757-622-0355		
<b>Issuing Date</b>	No information available		
<b>Revision Date</b>	3-March 2015		
<b>Revision Note</b>	N/A		
<b><u>General Disclaimer</u></b>			
The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.			
<b>End of Safety Data Sheet</b>			

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**End of Safety Data Sheet**