

**PROGUARD Blitz Kleen HD**

SDS Number: 901154

**1 PRODUCT AND COMPANY INFORMATION**

Product Name: PROGUARD Blitz Kleen HD  
Revision Date: 01/21/2016  
SDS Number: 901154  
Common Name: Alkaline Detergent  
CAS Number: Blend  
Product Code: 901154  
Synonyms: Cleaner/Degreaser

**Company Identification:**

*Manufactured for:*  
LYDEN OIL COMPANY  
3711 LeHarps Drive  
Youngstown, OH 44515

For Product Information: 1-330-792-1100  
For Emergencies: 1-800-424-9300  
CHEMTREC: 1-800-424-9300 or 1-703-527-3887

**2 HAZARDS IDENTIFICATION**



Signal Word:

**DANGER**

Hazard Classes/Categories:

Skin corrosive, Category 1B.  
Serious eye damage, Category 1.  
Acute toxicity, Oral category 4.

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Hazard Statement(s):

H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.

Precaution Statement(s):

P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.  
P262: Do not get in eyes, on skin, or on clothing.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P302+352: IF ON SKIN: Wash with plenty of water.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P337+313: If eye irritation persists get medical advice/attention.

Other Hazard Statement(s):

-NFPA Ratings:  
Health = 3  
Fire = 0  
Reactivity = 0

<b>3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
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Ingredients:

*Mixture of the substances listed below with nonhazardous additions.*

Chemical Name	CAS Number	Percentage
Water	7732-18-5	>60
2-butoxyethanol	111-76-2	1-10
Sodium Hydroxide	1310-73-2	1-5
Tetra Sodium EDTA	64-02-8	1-5
Surfactant Blend	Proprietary	N/A

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*\*Any concentration shown as a range is to protect confidentiality or is due to batch variation.*

**4** FIRST AID MEASURESDescription of First Aid Measures:

## Inhalation:

Ensure supply of fresh air and keep person(s) calm and comfortable for breathing.

## Skin Contact:

Remove all contaminated clothing immediately. Rinse area for several minutes with water. If available apply a 5% vinegar solution to area (not around eyes) then continue rinsing area with water.

## Eye Contact:

Flush cautiously with water for several minutes. Remove contact lenses if any then continue flushing.

## Ingestion:

Do not induce vomiting. If person is conscious give 1-2 glasses of water and seek medical attention.

Symptoms and Effects, both acute and delayed:

No further relevant data available.

Recommended Actions:

Treat symptomatically. Call a doctor or poison control center for guidance.

**5** FIRE FIGHTING MEASURESRecommended Fire-Extinguishing Equipment:

Use water, dry powder, foam, or carbon dioxide fire extinguishers.

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Possible Hazards During a Fire:

Product will react slowly with soft metals in neat form forming hazardous gases (eg. Zinc).

Recommendations to Firefighters:

Proper protective equipment including breathing apparatus.

**6 ACCIDENTAL RELEASE MEASURES**

Personal Precautions:

Avoid eye contact. Avoid repeated or prolonged skin contact.

Personal protective equipment must be worn.

Avoid contact with skin, eyes or clothing.

Emergency Procedures:

Contain spilled material, collect in suitable and properly labeled containers.

Environmental Precautions:

Do not allow to reach sewage system or any water course.

Do not allow to enter ground waters.

Cleanup Procedures:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**7 HANDLING AND STORAGE**

Handling Precautions:

Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing . Wash thoroughly after handling.

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Storage Requirements:

Keep container tightly sealed and stored in a dry, cool place.  
Keep away from sources of ignition.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Limits:

-2-butoxyethanol:

ACGIH TLV: 20 ppm, 8 hours (all forms)

OSHA PEL TWA: 240 mg/m<sup>3</sup> 8 hours (skin); TWA: 50 ppm, 8 hours (Skin)

-Sodium Hydroxide:

OSHA PEL TWA: 2mg/m<sup>3</sup>

Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment:

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 eyes and skin.  
Use safety glasses and gloves.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Color:	Red
Physical State:	Liquid
Odor:	Citrus / Ether like
Odor Threshold:	Data not available
pH:	13.2
Melting Point:	<32° F
Boiling Point:	>212° F

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Boiling Range:	Data not available
Flash Point:	>200° F
Evaporation Rate:	Data not available
Flammability:	Data not available
Flammability Limits:	Data not available
Vapor Pressure:	Data not available
Vapor Density:	Data not available
Relative Density:	1.03-1.06
Solubilities:	Soluble in water
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
Viscosity:	Data not available

**10** STABILITY AND REACTIVITYStability:

Stable under normal conditions.

Reactivity:

Not reactive under normal conditions.

Conditions to Avoid:

None known.

Hazardous Reactions:

No known hazardous reactions.

Incompatible Materials:

Strong oxidizers and acids.

Decomposition Products:

Oxides of carbon.

**11** TOXICOLOGICAL INFORMATION

Routes of Exposure:

Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

Exposure Effects:

Skin:

Prolonged or repeated contact with strong forms will cause severe burns and defatting of skin.

Eye:

Produces rapid serious eye irritation and possible damage.

Ingestion:

Harmful to mucous membranes, mouth, throat and stomach.

Inhalation:

Concentrated mists cause respiratory discomfort, cough or dizziness.

Measures of Toxicity:

-2-butoxyethanol:

Oral: LD50 (rat): 470 mg/kg

Dermal: LD50 (rabbit): 220 mg/kg

Inhalation: LC50 (rat): 450 mg/L, 4 hours

-Sodium Hydroxide:

Oral: LD50 (rat): 214 mg/kg

Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be mutagenic.

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**12** ECOLOGICAL INFORMATION

Ecological Precautions:

Avoid exposing to the environment.

Ecological Effects:

No specific environmental or aquatic data available.

**13** DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose of waste material in accordance with all local, state, and federal requirements.

Disposal Containers:

Use properly approved container for disposal.

Special Precautions:

Do not flush to surface waters or drains. High levels of surfactants and increased pH levels are harmful to aquatic life.

**14** TRANSPORT INFORMATION

UN Number: UN 1824  
UN Shipping Name: Sodium Hydroxide Solution  
Transport Hazard Class: 8  
Packing Group: II

Environmental Hazards:

Aquatic hazard

Bulk Transport Guidance:

Data not available

Special Precautions:

None



# Safety Data Sheet

Lyden Oil Company

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### 15 REGULATORY INFORMATION

This material and all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act.

### 16 OTHER INFORMATION

Last Revision Date: 01/21/2016

*The information contained in this Safety Data Sheet (SDS) relates only to the specific material designated. LYDEN OIL COMPANY assumes no legal responsibility of the use or reliance upon this data. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the LYDEN OIL COMPANY.*