

SAFETY DATA SHEET

Non-Butyl Degreaser

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product name : Non-Butyl Degreaser

Product no. : 04359DG

Use of the substance/preparation : Cleaner/degreaser

Company/undertaking identification

Manufacturer : Essential Industries, Inc.
P.O. Box 12
28391 Essential Rd.
Merton, WI 53056-0012 USA

Supplier : Essential Industries, Inc.
P.O. Box 12
28391 Essential Rd.
Merton, WI 53056-0012
United States

Emergency telephone number : 001-262-821-7814

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	%	EC number	Classification
Disodium metasilicate	6834-92-0	1-5	229-912-9	C; R34 Xi; R37
Sodium hydroxide	1310-73-2	1	215-185-5	C; R35
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xi; R36/37/38

Human health hazards : Irritating to eyes, respiratory system and skin.

Additional hazards : None identified.

See section 11 for more detailed information on health effects and symptoms.

4. First aid measures

First aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

Non-Butyl Degreaser

- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
- Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
- Specific treatments** : None identified.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO₂.
- Special exposure hazards** : No specific hazard.
Not available.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials: carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂ etc.). Some metallic oxides.
- Special protective equipment for fire-fighters** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).
- Environmental precautions and clean-up methods** : Avoid contact of spilled material with soil and prevent runoff entering surface waterways. See section 13 for waste disposal information.
If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** :

8. Exposure controls/personal protection

Ingredient name

Sodium hydroxide

Occupational exposure limits

ACGIH TLV (United States, 2004).
CEIL: 2 mg/m³ Form: All forms

Exposure controls

- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : Use an approved, properly-fitted, powered air-purifying respirator or respirator of equivalent or greater protection.
- Hand protection** : Use latex gloves. Double latex gloves should be considered.
- Eye protection** : Safety glasses. Goggles, face shield or other full-face protection should be worn if there is a risk of direct exposure to aerosols or splashes.

Non-Butyl Degreaser

Skin protection : Additional body garments should be used to avoid exposed skin surfaces (e.g. sleevelets, apron, disposable suit etc.), based on the task being performed. Appropriate techniques should be used to remove potentially contaminated clothing.

9. Physical and chemical properties

General information

Appearance

Physical state : Liquid.

Color : Green.

Odor : Bland.

Important health, safety and environmental information

pH : 12.0 - 13.0

Boiling point : Lowest known value: 100°C (212°F) (water).

Melting point : May start to solidify at the following temperature: 0°C (32°F) This is based on data for the following ingredient: water.

Flash point : Lowest known value: Closed cup: >93.3°C (199.9°F). (Q3 Videt)

Flammability (solid, gas) : Not applicable.

Explosive properties : Risk of explosion of the product in the presence of mechanical impact: Not available.
Risk of explosion of the product in the presence of static discharge: Not available.

Oxidizing properties : Not available.

Vapor pressure : Highest known value: <0.01 kPa (<0.1 mm Hg) (at 20°C) (Q3 Videt).

Relative density : 1.04 g/cm³

Solubility : Easily soluble in the following materials: cold water, hot water, methanol, acetone.

Vapor density : Highest known value: >1 (Air = 1) (Q3 Videt).

Evaporation rate (butyl acetate = 1) : 0.36 (water) compared with Butyl acetate.

Other information

10. Stability and reactivity

Stability : The product is stable.

Hazardous decomposition products : Decomposition products may include the following materials: carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂ etc.). Some metallic oxides.

11. Toxicological information

Potential acute health effects

Inhalation : Irritating to respiratory system.

Ingestion : May irritate digestive tract.

Skin contact : Irritating to skin.

Eye contact : Irritating to eyes.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Disodium metasilicate	LD50	1153 mg/kg	Oral	Rat
	LD50	770 mg/kg	Oral	Mouse
	LDLo	250 mg/kg	Oral	Dog
	LDLo	250 mg/kg	Oral	pig
Sodium hydroxide	LDLo	500 mg/kg	Oral	Rabbit

Carcinogenicity :

Mutagenicity :

Reproductive toxicity :

Over-exposure signs/symptoms

Target organs

Non-Butyl Degreaser

: Contains material which causes damage to the following organs: lungs, upper respiratory tract, skin, eye, lens or cornea.

Other adverse effects : Not available.

12. Ecological information

Mobility : Not available.

Other adverse effects : Not available.

13. Disposal considerations

Methods of disposal : Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.

Waste classification : Not applicable.

European waste catalogue (EWC) : Not available.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not Regulated.	-	-	-		-
ADNR Class	Not Regulated.	-	-	-		-
IMDG Class	Not Regulated.	-	-	-		-
IATA-DGR Class	Not Regulated.	-	-	-		-

15. Regulatory information

EU regulations

Hazard symbol or symbols :



Irritant

Risk phrases : R36/37/38- Irritating to eyes, respiratory system and skin.

Safety phrases : S24/25- Avoid contact with skin and eyes.
S37/39- Wear suitable gloves and eye/face protection.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Product use : Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.
- Industrial applications.

EU statistical classification (Tariff Code) : 32089091

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - Europe : R34- Causes burns.
R35- Causes severe burns.
R36/37/38- Irritating to eyes, respiratory system and skin.
R37- Irritating to respiratory system.

Full text of classifications referred to in sections 2 and 3 - Europe : C - Corrosive
Xi - Irritant

History

Date of printing : 4/24/2008.
Date of issue : 4/24/2008.
Date of previous issue : 10/11/2004.
Version : 2
Prepared by :

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Version 2

Page: 5/5