



## Material Safety Data Sheet

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### 1. COMPANY AND PRODUCT IDENTIFICATION

**Product code:** 011541-07 05  
**Product name:** **QUAKERCLEAN™ 628**

**Supplier:**  
Quaker Chemical Corporation  
Quaker Park One  
901 Hector Street  
Conshohocken, PA 19428  
610-832-4000  
E-mail: she@quakerchem.com

**Emergency telephone number:**  
\* 24 HOUR TRANSPORTATION:  
\*\*CHEMTREC: 1-800-424-9300  
703-527-3887 (Call collect outside of US)  
\* 24 HOUR EMERGENCY HEALTH & SAFETY:  
\*\*QUAKER CHEMICAL CORPORATION: (800) 523-7010(  
Within US only)  
Outside of US call (703) 527-3887

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS COMPONENTS

Listed Components	Weight %	CAS No.	OSHA TWA (final):	ACGIH Exposure Limits:
Sodium hydroxide	1 - 5%	1310-73-2	3mg/m <sup>3</sup>	None
4-Nonylphenoxypolyethoxyethanol, branched	1 - 5%	127087-87-0	None	None
Trisodium phosphate	1 - 5%	7601-54-9	None	None
Glycol ether	1 - 5%	EPA Code N230	None	None

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

Harmful if swallowed.

The product causes burns of eyes, skin and mucous membranes.

Irritating to respiratory system.

**Principle routes of exposure:** Eyes, skin and inhalation.

**Signal word:** DANGER

**Eye contact:** Causes eye burns. Risk of serious damage to eyes.

**Skin contact:** Causes skin burns.

<b>Inhalation:</b>	Avoid breathing vapors or mists. Irritating to respiratory system. High gas, vapor, mist, or dust concentrations may be harmful if inhaled.
<b>Ingestion:</b>	Ingestion causes burns of the upper digestive and respiratory tracts.
<b>Physico-chemical properties:</b>	No hazards resulting from material as supplied.

#### 4. FIRST AID MEASURES

<b>General advice:</b>	Take off all contaminated clothing immediately.. Rinse immediately with plenty of water and seek medical advice..
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician
<b>Skin contact:</b>	Rinse immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Consult a physician if necessary.
<b>Ingestion:</b>	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
<b>Notes to physician:</b>	Treat symptomatically.
<b>Medical condition aggravated by exposure:</b>	None known.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point (°C):</b> NA	<b>Flash point (°F):</b> NA	<b>Flash Point Method:</b> Not applicable
<b>Flammable limits in air - lower (%):</b> Not determined	<b>Flammable limits in air - upper (%):</b> Not determined	
<b>Suitable extinguishing media:</b>	Use dry chemical, CO2, water spray or 'alcohol' foam.	
<b>Unusual hazards:</b>	None known	
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	
<b>Specific methods:</b>	Water mist may be used to cool closed containers.	

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Ensure adequate ventilation.
<b>Environmental precautions:</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

#### 7. HANDLING AND STORAGE

## Handling

**Technical measures/precautions:** Provide sufficient air exchange and/or exhaust in work rooms.

**Safe handling advice:** Avoid contact with skin and eyes. Do not breathe vapors or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Keep container tightly closed. Wash thoroughly after handling.

## Storage

**Technical measures/storage conditions:** Store at room temperature in the original container

**Incompatible products:** Do not store near acids.

**Safe storage temperature:** 40-110 F

**Shelf life:** 6 months

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Listed Components	ACGIH Exposure Limits:	OSHA TWA (final):	NIOSH - Pocket Guide - TWAs:	Vendor Exposure Limits:
Sodium hydroxide		3mg/m <sup>3</sup>	2mg/m <sup>3</sup> Ceiling	

**Engineering measures:** Ensure adequate ventilation.

### Personal Protective Equipment

**General:** Eye Wash and Safety Shower

**Respiratory protection:** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hand protection:** Neoprene gloves

**Skin and body protection:** Chemical resistant apron. Long sleeved clothing.

**Eye protection:** Goggles.

**Hygiene measures:** Avoid contact with skin, eyes and clothing.



## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Physical state:** Liquid.  
**Color:** clear, translucent  
**Odour:** Soapy  
**Boiling point/range (°C):** >100  
**Boiling point/range (°F):** >212  
**Vapour density:** Not determined  
**Vapour pressure:** Not determined  
**Solubility:** Completely soluble  
**Evaporation rate:** Not determined  
**VOC Content Product:** 0.0 lb/gal (calculated)  
**pH:** 13.40-13.90 @ 100%

Flash point (°C):	NA
Flash point (°F):	NA
Decomposition temperature:	Not determined
Autoignition temperature:	Not determined
Density @ 15.5 ° C (g/cc) :	1.079
Bulk density @ 60 ° F (lb/gal):	9.00
Partition coefficient	Not determined
(n-octanol/water, log Pow):	
<u>Explosive properties:</u>	
- upper explosion limit:	No data available
- lower explosion limit:	No data available

## 10. STABILITY AND REACTIVITY

### Conditions to avoid:

None known

### Materials to avoid:

Strong acids and oxidising agents

### Hazardous decomposition products:

None under normal use

### Stability:

Stable under recommended storage conditions.

### Polymerization:

Not applicable

## 11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

Listed Components	NTP:	IARC:	OSHA - Select Carcinogens	NIOSH - Selected LD50s and LC50s
Sodium hydroxide	This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP).	This product does not contain any material shown to be a carcinogen by the International Agency for Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA.	
4-Nonylphenoxypolyethoxyethanol, branched	This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP).	This product does not contain any material shown to be a carcinogen by the International Agency for Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA.	
Trisodium phosphate	This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP).	This product does not contain any material shown to be a carcinogen by the International Agency for Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA.	
Glycol ether	This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP).	This product does not contain any material shown to be a carcinogen by the International Agency for Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA.	

## 12. ECOLOGICAL INFORMATION

**Persistence and degradability:** No information available  
**Mobility:** No data available  
**Bioaccumulation:** No data available  
**Ecotoxicity effects:** No data available  
**Aquatic toxicity:** Not Determined

## 13. DISPOSAL CONSIDERATIONS

### Waste from residues/unused products:

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

### Contaminated packaging:

Do not re-use empty containers

### Methods for cleaning up:

Take up mechanically and collect in suitable container for disposal.

## 14. TRANSPORT INFORMATION

### U. S. DEPARTMENT OF TRANSPORTATION:

Proper shipping name:	Sodium hydroxide solution
D.O.T. Hazard Class(es)	8
UN/NA ID Number:	UN 1824
Packing group:	II
RQ:	Sodium hydroxide, RQ kg= 10053.19
Emergency Response Guide Number:	154
DOT Label(s):	

### TDG (CANADA):

Proper shipping name:	Sodium hydroxide solution
TDG Hazard Classification:	8
UN Number:	UN 1824
Packaging group:	II

### IMDG/IMO:

Proper shipping name:	Sodium hydroxide solution
Class:	8
UN Number:	UN 1824
Packaging group:	II
EMS:	

### IATA/ICAO:

Proper shipping name:	Sodium hydroxide solution
IATA - Hazard Classifications	8
UN Number:	UN 1824
Packaging group:	II

## 15. REGULATORY INFORMATION

### CLASSIFICATION AND LABELING

**OSHA Hazard Communication Standard:** This product is considered to be hazardous.

**Canada - WHMIS Classification Information:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**Product Classification:** Class E - Corrosive Material

**Product Classification Graphic(s):**



**Component Classification Data:**

**Sodium hydroxide - 1310-73-2**  
**WHMIS hazard class:** E

*Trisodium phosphate - 7601-54-9*  
WHMIS hazard class: E

**U.S. REGULATIONS:**

**SARA (311, 312) hazard class:** This product possesses the following SARA Hazard Categories:

Immediate Health (Acute): Yes  
Delayed Health (Chronic): No  
Flammability: No  
Pressure: No  
Reactivity: No

*Glycol ether - EPA Code N230*  
**CERCLA/SARA 313 Emission reporting** Listed

**RCRA Status** To be disposed of as hazardous waste  
characteristic:  
corrosive D002

**STATE REGULATIONS (RTK):**

**California Proposition 65 Status:** No components are listed

*Sodium hydroxide - 1310-73-2*

MARTK: Present  
NJRTK: sn 1706  
PARTK: environmental hazard

*Trisodium phosphate - 7601-54-9*

MARTK: Present  
NJRTK: sn 1724  
PARTK: environmental hazard

**INVENTORY STATUS:**

**United States TSCA - Sect. 8(b) Inventory:** This product complies with TSCA

**Canada DSL Inventory List -** This product complies with DSL

**Canada NDSL Inventory List -** NDSL compliance has not been determined

**EU EINECS/ELINCS/NLP list:** Compliance has not been determined

**16. OTHER INFORMATION**

**Sources of key data used to compile the data sheet:** Material safety data sheets of the ingredients.

**Reason for revision:**

New Format

**Prepared by:**

Quaker Chemical Corporation -Safety, Health and Environmental Affairs Group - US

**HMIS classification:**

**NFPA rating:**

**Health:**

3

**Health:**

3

**Flammability:**

0

**Flammability:**

0

**Reactivity:**

0

**Reactivity:**

0

**Personal Protection:**

H

**Special:**

NA

\* Indicates possible chronic health effect

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

**Disclaimer:**

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. Quaker Chemical Corporation ("Quaker") assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of Quaker.

**End of Safety Data Sheet**