



Material Safety Data Sheet

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1. COMPANY AND PRODUCT IDENTIFICATION

Product code: K50-1
Product name: NEUTRACLEAN

Supplier:
Epmar Corporation
13210 E. Barton Circle
Santa Fe Springs, CA 90605-3254
Phone: 562-946-8781
FAX: 562-944-9958
E-MAIL: info@epmarcorp.com
E-MAIL: she@quakerchem.com
(For Health and Safety Questions)

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

Components	CAS No.	Weight %	OSHA Ceiling Limits	OSHA TWA (final):	ACGIH Ceiling Limits	ACGIH Exposure Limits:	Vendor Exposure Limits:
Sodium metasilicate	6834-92-0	1 - 5%		None		None	
Ethoxylated nonylphenol	9016-45-9	1 - 5%		None		None	

3. HAZARDS IDENTIFICATION

Emergency Overview

This product may cause irritation of the eyes, skin, mucous membranes and respiratory tract.
May be harmful if swallowed.

Signal word: CAUTION

Principle routes of exposure: Eyes, skin and inhalation.

Eye contact: Irritating to eyes. A component of this product may cause burns..

Skin contact: May cause skin irritation and/or dermatitis A component of this product may cause burns.

Inhalation: Avoid breathing vapors or mists. May cause irritation of respiratory tract.

Ingestion: Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance. A component of this product is corrosive if swallowed.

Physico-chemical properties: No hazards resulting from material as supplied.

4. FIRST AID MEASURES

General advice: Take off all contaminated clothing immediately.
Rinse immediately with plenty of water and seek medical advice.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact: Rinse immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Inhalation: 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.

Notes to physician: Treat symptomatically.

Medical condition aggravated by exposure: Dermatitis.

5. FIRE-FIGHTING MEASURES

Flash Point (°C): NA boils **Flash point (°F):** NA boils **Flash Point Method:** COC

Flammable limits in air - upper (%): Not determined **Flammable limits in air - lower (%):** Not determined

Suitable extinguishing media: Use dry chemical, CO2, water spray or 'alcohol' foam.

Unusual hazards: None known

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

Specific methods: Water mist may be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling

Technical measures/precautions:

Provide sufficient air exchange and/or exhaust in work rooms.

Safe handling advice:

In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes. Do not breathe vapors/dust. Wash thoroughly after handling.

Storage

Technical measures/storage conditions:

Store at room temperature in the original container

Incompatible products:

Do not store together with strong acids and strong oxidisers.

Safe storage temperature:

40-100 °F

Shelf life:

6 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	ACGIH Ceiling Limits	ACGIH Exposure Limits:	OSHA Ceiling Limits	OSHA TWA (final):	NIOSH - Pocket Guide - TWAs:	Vendor Exposure Limits:
Sodium metasilicate		None		None	None	None
Ethoxylated nonylphenol		None		None	None	None

Engineering measures:

Ensure adequate ventilation.

Personal Protective Equipment

General:

Eye Wash and Safety Shower

Respiratory protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH/MSHA certified respirator with organic vapor/P100 filter should be worn.

Hand protection:

Neoprene gloves

Skin and body protection:

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 Colourless

Odour:

None

Boiling point/range (°C):

100

Boiling point/range (°F):

212

Vapour pressure:

Not determined

Vapour density:

Not determined

Viscosity:

10 cps

VOC Content Product (lb/gal)

0.05

Solubility:

Completely soluble

9. PHYSICAL AND CHEMICAL PROPERTIES:

Evaporation rate:	Not determined
pH:	10.5
Flash Point (°C):	NA boils
Flash point (°F):	NA boils
Decomposition temperature:	Not determined
Auto-ignition temperature:	Not determined
Density @ 15.5 ° C (g/cc) :	1.0
Bulk density @ 60 ° F (lb/gal):	8.34
Partition coefficient	Not determined
(n-octanol/water, log Pow):	
Explosive properties:	
- upper limit:	No data available
- lower limit:	No data available

10. STABILITY AND REACTIVITY

Stability:

Stable under recommended storage conditions.

Conditions to avoid:

None known

Materials to avoid:

Strong acids and oxidising agents

Hazardous decomposition products:

None under normal use

Polymerization:

Not applicable

11. TOXICOLOGICAL INFORMATION

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

11. TOXICOLOGICAL INFORMATION

Components	NTP:	IARC:	OSHA - Select Carcinogens	NIOSH - Selected LD50s and LC50s
Sodium metasilicate	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.	600mg/kgOral LD50Rat
Ethoxylated nonylphenol	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.	1310mg/kgOral LD50Rat 2mL/kgDermal LD50Rabbit

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

Sodium metasilicate

Ecotoxicity - Fish Species Data LC50 (Brachydanio rerio - 96h) = 210 mg/L

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: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal.

14. TRANSPORT INFORMATION

U. S. DEPARTMENT OF TRANSPORTATION:

Proper shipping name: Not Regulated

TDG (CANADA):

Proper shipping name: Not Regulated

IMDG/IMO:

Proper shipping name: Not Regulated

14. TRANSPORT INFORMATION

IATA/ICAO:

Proper shipping name:

Not Regulated

15. REGULATORY INFORMATION

CLASSIFICATION AND LABELING

OSHA Hazard Communication Standard:

This product is considered to be hazardous under the OSHA Hazard Communication Standard.

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 D2B - Poisonous and Infectious Material: Other toxic effects - includes irritants, skin sensitizers and/ or chronic health effects

Product Classification Graphic(s):



Component Classification Data:

Sodium metasilicate - 6834-92-0

WHMIS hazard class: Listed
E

Ethoxylated nonylphenol - 9016-45-9

WHMIS hazard class: D2B

Canadian National Pollution Inventory Data:

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

RCRA Status

Not Regulated

STATE REGULATIONS (RTK):

California Proposition 65 Status:

No components are listed

INVENTORY STATUS:

United States TSCA - Sect. 8(b) Inventory:

This product complies with TSCA

Canada DSL Inventory List -

This product complies with DSL

EC 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.

Prepared by:

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

Reason for revision:

Dilution MSDS

HMIS classification:

NFPA rating:

Health:

1

Health:

1

Flammability:

0

Flammability:

0

Reactivity:

0

Reactivity:

0

Personal Protection:

C

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. EPMAR Corporation ("EPMAR") 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 EPMAR.

End of Safety Data Sheet