



Material Safety Data Sheet

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1. COMPANY AND PRODUCT IDENTIFICATION

Product code: 013833-02 08
Product name: QUAKERCLEAN™ 624 JBS

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

Components	Weight %	CAS No.	OSHA TWA (final):	ACGIH Exposure Limits:
2-Aminoethanol	5 - 10%	141-43-5	3ppm 3mg/m ³	3 ppm 6ppmSTEL

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Irritating to eyes.
Irritating to skin.
May cause irritation of respiratory tract.
May be harmful if swallowed.

Principle routes of exposure: Eyes, skin and inhalation.

Signal word: WARNING

Eye contact: Irritating to eyes.

Skin contact: Irritating to skin.

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

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

4. FIRST AID MEASURES

General advice:	If symptoms persist, call a physician.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician
Skin contact:	Wash off immediately with soap and plenty of water. Consult a physician if necessary.
Ingestion:	If swallowed, seek medical advice immediately and show this container or label. 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 conditions aggravated - by exposure	None known.

5. FIRE-FIGHTING MEASURES

Flash point (°C): NA	Flash point (°F): NA	Flash Point Method: Not applicable
Flammable limits in air - lower (%): Not determined	Flammable limits in air - upper (%): Not determined	
Suitable extinguishing media:	Use dry chemical, CO ₂ , 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.
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).

7. HANDLING AND STORAGE

Handling

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

Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Wash thoroughly after handling.

Storage

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

Incompatible products: No information available

Safe storage temperature 40-100 ° F

Shelf life: 6 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	ACGIH Exposure Limits:	OSHA TWA (final):	NIOSH - Pocket Guide - TWAs:	Vendor Exposure Limits:
2-Aminoethanol	3 ppm 6ppmSTEL	3ppm 3mg/m ³	15mg/m ³ STEL 3ppmTWA 6ppmSTEL 8mg/m ³ TWA	

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: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Safety glasses with side-shields

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

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance: Liquid.

Color: Clear, Yellow

Odour: Soapy

Boiling point/range (°C): >100

Boiling point/range (°F): >212

Vapor density: Not determined

Vapour pressure: Not determined

Solubility: Completely soluble

Evaporation rate: Not determined

VOC Content Product: 0.9 lb/gal (EPA Method 24)

pH: 10.25-11.00

Decomposition temperature: Not determined
Autoignition temperature: 1.043
Density @ 15.5 ° C (g/cc) : 8.70
Bulk density @ 60 ° F (lb/gal): Not determined
Partition coefficient
(n-octanol/water, log Pow):
Explosive properties:

- 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:

None under normal processing.

11. TOXICOLOGICAL INFORMATION

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

Components	NTP:	IARC:	OSHA - Select Carcinogens	NIOSH - Selected LD50s and LC50s
2-Aminoethanol	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.	1mL/kgDermal LD50Rabbit 1720mg/kgOral LD50Rat 700mg/kgOral LD50Mouse

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: Not Regulated

TDG (CANADA):

Proper shipping name: Not Regulated

IMDG/IMO:

Proper shipping name: Not Regulated

IATA/ICAO:

Proper shipping name: Not Regulated

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

Product Classification Graphic(s):



**Component Classification
Data:**

2-Aminoethanol - 141-43-5

WHMIS hazard class: B3; 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

RCRA Status Not Regulated

STATE REGULATIONS (RTK):

2-Aminoethanol - 141-43-5

MARTK: Present
NJRTK: sn 0835
PARTK: [present]

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 datasheet: 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: **Health:**
2 2
Flammability: **Flammability:**
0 0

Reactivity:

0

Reactivity:

0

Personal Protection:

B

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