

Material Safety Data Sheet

CLEAN FORCE QUICKMIX GLASS CLEANER



1. Product and company identification

Trade name of product : CLEAN FORCE QUICKMIX GLASS CLEANER

Product use : Glass Cleaner

Product dilution information : Up to 1:164 in water

Supplier's information : PureForce
370 Wabasha Street North
St. Paul, MN 55102
1-866-444-7450

Code : 912195-01

Date of issue : 18-April-2011

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

2. Hazards identification

Product AS SOLD
Physical state : Liquid.
Emergency overview : CAUTION !

MAY CAUSE EYE AND SKIN IRRITATION.
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Product AT USE DILUTION

Liquid.
CAUTION !

No specific hazard.
No specific hazard.

Potential acute health effects

Product AS SOLD
Eyes : Moderately irritating to eyes.
Skin : Moderately irritating to the skin.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Product AT USE DILUTION

No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.

See toxicological information (section 11)

3. Composition/information on ingredients

Product AS SOLD

| <u>Name</u> | <u>CAS number</u> | <u>% by weight</u> |
|--|-------------------|--------------------|
| SODIUM XYLENE SULFONATE | 1300-72-7 | 5 - 20 |
| sulfuric acid, mono-c10-16-alkyl esters, sodium salts | 68585-47-7 | 5 - 20 |
| PROPYLENE GLYCOL PROPYL ETHER | 1569-01-3 | 5 - 20 |
| oxirane, methyl-, polymer with oxirane, monobutyl ether | 9038-95-3 | 1 - 5 |
| poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy- | 34398-01-1 | 1 - 5 |
| AMINOMETHYL PROPANOL | 124-68-5 | 1 - 5 |
| dipropylene glycol methyl ether | 34590-94-8 | 1 - 5 |
| BUTOXYPROPANOL | 5131-66-8 | 1 - 5 |

Product AT USE DILUTION

3. Composition/information on ingredients

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

4. First aid measures

| | Product AS SOLD | Product AT USE DILUTION |
|---------------------|---|---|
| Eye contact | : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists. | No known effect after eye contact. Rinse with water for a few minutes. |
| Skin contact | : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse. | No known effect after skin contact. Rinse with water for a few minutes. |
| Inhalation | : No special measures required. Treat symptomatically. | No special measures required. Treat symptomatically. |
| Ingestion | : Get medical attention if symptoms occur. | Get medical attention if symptoms occur. |

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products : Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides

Fire-fighting media and instructions : Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.

In a fire or if heated, a pressure increase will occur and the container may burst.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

| | Product AS SOLD | Product AT USE DILUTION |
|----------------------------------|--|--|
| Personal precautions | : Use personal protective equipment as required. | Use personal protective equipment as required. |
| Environmental precautions | : Avoid contact of large amounts of spilled material and runoff with soil and surface waterways. | Avoid contact of large amounts of spilled material and runoff with soil and surface waterways. |
| Methods for cleaning up | : Use a water rinse for final clean-up. | Use a water rinse for final clean-up. |

7. Handling and storage

| | Product AS SOLD | Product AT USE DILUTION |
|-----------------|---|---------------------------------|
| Handling | : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. | Wash thoroughly after handling. |
| Storage | : Keep out of reach of children. Store in a closed container. Store between the following temperatures: 0 and 40°C | Keep out of reach of children. |

8. Exposure controls/personal protection

| | Product AS SOLD | Product AT USE DILUTION |
|-----------------------------|--|--|
| Engineering measures | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |
| Personal protection | | |
| Eyes | : Safety eyewear should be used when there is a likelihood of exposure. | No protective equipment is needed under normal use conditions. |
| Hands | : For prolonged or repeated handling, use the following type of gloves: Impervious gloves. | No protective equipment is needed under normal use conditions. |
| Skin | : No protective equipment is needed under normal use conditions. | No protective equipment is needed under normal use conditions. |
| Respiratory | : No special protection is required. | No special protection is required. |

| Ingredient | Exposure limits |
|---------------------------------|---|
| dipropylene glycol methyl ether | ACGIH TLV (United States, 2/2010). Absorbed through skin. STEL: 909 mg/m ³ 15 minute(s). STEL: 150 ppm 15 minute(s). TWA: 606 mg/m ³ 8 hour(s). TWA: 100 ppm 8 hour(s). OSHA PEL (United States, 6/2010). Absorbed through skin. TWA: 600 mg/m ³ 8 hour(s). TWA: 100 ppm 8 hour(s). |

9. Physical and chemical properties

| | Product AS SOLD | Product AT USE DILUTION |
|-------------------------|--|-------------------------|
| Physical state | : Liquid. | Liquid. |
| Flash point | : 537 °C (Closed cup) Product does not support combustion. | >100 °C (Open cup) |
| Color | : Blue [Dark] | Blue [Light] |
| Odor | : Floral | Floral |
| pH | : 10.8 to 11.8 [Conc. (% w/w): 100%] | 9.8 to 9.8 |
| Relative density | : 1.085 to 1.095 | |
| Solubility | : Easily soluble in the following materials: cold water and hot water. | |

10. Stability and reactivity

Product AS SOLD

| | |
|---|---|
| Stability | : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Hazardous polymerization | : Under normal conditions of storage and use, hazardous polymerization will not occur. |

11. Toxicological information

Potential acute health effects

| | Product AS SOLD | Product AT USE DILUTION |
|-------------|--------------------------------------|---|
| Eyes | : Moderately irritating to eyes. | No known significant effects or critical hazards. |
| Skin | : Moderately irritating to the skin. | No known significant effects or critical hazards. |

11. Toxicological information

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Product AS SOLD

Other adverse effects

Target organs : Contains material which may cause damage to the following organs: lungs, upper respiratory tract, central nervous system (CNS).

12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

Product AS SOLD

Waste disposal : Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Product AS SOLD

DOT Classification : Not regulated.

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

15. Regulatory information

Product AS SOLD

HCS Classification : Irritating material
Target organ effects

Product AT USE DILUTION

Not regulated.

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

SARA 313**Product name****CAS number****Concentration**

Form R - Reporting requirements : No listed substance

California Prop. 65 : No listed substance

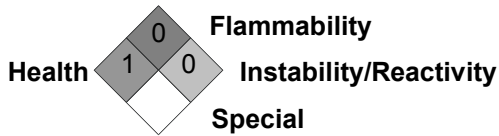
16. Other information

Product AS SOLD

Hazardous Material :
Information System (U.S.A.)

| | | |
|------------------|---|---|
| Health | * | 1 |
| Flammability | | 0 |
| Physical hazards | | 0 |
| | | |

National Fire Protection :
Association (U.S.A.)



Product AT USE DILUTION

| | | |
|------------------|--|---|
| Health | | 0 |
| Flammability | | 0 |
| Physical hazards | | 0 |
| | | |



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1-800-352-5326

▣ Indicates information that has changed from previously issued version.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**