

Material Safety Data Sheet

Version: 1.6 Revision Date : 11/06/2004
Date Issued : 11/13/2004

VARONIC Q 202

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Trade name : VARONIC Q 202
 PRODUCT CODE : 204154
 CHEMICAL FAMILY : Alkoxylated Amines

Information on manufacturer/supplier : GOLDSCHMIDT CHEMICAL CORPORATION
 914 EAST RANDOLPH ROAD
 HOPEWELL, VA 23860

Emergency telephone number (24h) : Telephone:
 CHEMTREC (800) 424-9300
 CANUTEC (613) 996-6666
 Non-Emergency Phone Number: (800) 732-5616

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration [%]
Ethanol, 2,2'-(9-Octadecenyylimino) bis-(Z)-	25307-17-9	> 99
1,4-Dioxane	123-91-1	< 0.0001
Oxirane	75-21-8	< 0.001

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form : Liquid
 Colour : Slight Yellow to Clear
 Odour : Like Amines
 Water solubility : Insoluble

pH : 9 - 11
 At 10%, in Isopropanol / Water solvent.

Potential health effects

young 
 chemical co.
 ISO 9001:2000 COMPANY
 6465 Eastland Road
 Brook Park, Ohio 44142
 440.234.3200

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- Immediate concerns** : DANGER!! Corrosive. Causes skin and eye burns. Avoid contact with skin, eyes and clothing. Wear safety goggles, protective gloves and impervious clothing. Wash thoroughly after handling.
- Eyes** : Corrosive material, causes burns.
- Skin** : Causes severe irritation and burns to skin.
- Ingestion** : Results in severe damage to mucous membranes.
- Inhalation** : Vapor, especially upon heating, can cause irritation of respiratory tract.
- Primary routes of entry** : Eyes, Skin, Inhalation, Ingestion
- Target organs** : Eyes, Skin, Respiratory Tract, Digestive System
- Carcinogenicity** : This product may contain 1,4-Dioxane (CASRN 123-91-1) and Ethylene Oxide (CASRN 75-21-8) which is known as a carcinogen under California Proposition 65.

4. FIRST AID MEASURES

- Eyes** : Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get medical attention immediately. If physician is not immediately available, continue flushing with water. Do not use chemical antidote.
- Skin** : Immediately wash exposed area with soap and water for at least 15 minutes, then flush with water for at least 5 minutes. If reddening persists, or if open sores or blisters develop, see a physician. Remove contaminated clothing and launder before re-use.
- Ingestion** : Immediately drink two large glasses of water. Call a physician.
- Inhalation** : Move to fresh air. If burning sensation develops in throat or chest, or shortness of breath occurs, get immediate medical attention.

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5. FIRE-FIGHTING MEASURES

- Flash point : > 200 °F
Method: SETA Flash CC
- Suitable extinguishing media : Dry chemical, water fog, regular foam
- Products in case of fire : In case of incomplete combustion, formation of carbon monoxide, soot and short chain amines is possible. Burning can produce carbon monoxide, carbon dioxide, and nitrogen oxides.
- Further information : Avoid breathing smoke and vapors. Cool endangered containers with water spray.
- Special protective equipment for firefighters : As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
- OSHA flammable class : None

6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up / taking up : Small spills :
Wear appropriate personal protective equipment. Contain spilled material. Transfer to secure containers. Where necessary, collect using absorbent media.
Large spills :
Persons not wearing protective equipment should be excluded from area of spill. Stop spill at source, dike area of spill to prevent from spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

In case of accident or road spill notify :

Telephone:

CHEMTREC USA (800) 424-9300
CANUTEC Canada (613) 996-6666
CHEMTREC (other countries) (International code)+1-202-483-7616

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7. HANDLING AND STORAGE

General Procedures Handling

Advice on protection against fire and explosion : None Known

Storage

Requirements for storage areas and containers : Keep in closed or covered containers when not in use. Store in cool, dry place with adequate ventilation. Do not store near heat or open flame.

Further information : Exercise caution when handling contents of the container. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Whenever possible, use mechanical means to move large and/or heavy objects to help prevent back injuries.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA hazardous components (29 CFR 1910.1200)

Components	CAS-No.	Basis	Type	Value	Note
Ethanol, 2,2'-(9-Octadecenylimino) bis-(Z)-	25307-17-9	OSHA PEL	TWA		Not Established
1,4-Dioxane	123-91-1	OSHA PEL	TWA	100 ppm 360 mg/m3	Skin designation
		ACGIH TLV	TWA	25 ppm 90 mg/m3	skin notation
Oxirane	75-21-8	OSHA PEL	TWA	1 ppm	
		OSHA PEL	STEL	5 ppm	
		ACGIH TLV	TWA	1 ppm 1.8 mg/m3	

Personal protection equipment

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- Hygiene measures** : Remove contaminated clothing immediately. Wash hands thoroughly with soap and water before breaks and after every working shift. Do not eat, drink or smoke while working. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.
- Respiratory protection** : If TLV exceeds recommended limits use a NIOSH approved respirator.
- Hand protection** : Wear protective gloves such as: Neoprene or Buna-N.
- Eye protection** : Chemical splash proof goggles.
- Protective clothing** : Impermeable protective clothing is recommended.
- Engineering controls** : Provide sufficient ventilation to maintain exposure below established exposure limits and to avoid effects of overexposure. This product may contain trace amounts of ethylene oxide and 1,4 Dioxane which could accumulate in the headspace of drums and bulk containers. If the product is handled as recommended in this MSDS, the trace amounts of ethylene oxide and 1,4 Dioxane are not expected to result in any acute or chronic hazards.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form** : Liquid
- Colour** : Slight Yellow to Clear
- Odour** : Like Amines
- Boiling point** : > 425 °F
- Vapour pressure** : Not Available
- Density** : 0.91 g/cm³
- Weight per volume** : 7.58 Lb/Gal
- Water solubility** : Insoluble
- pH** : approx. 9 - 11
At 10%, in Isopropanol / Water solvent.
- Evaporation rate** : Slower than ether

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10. STABILITY AND REACTIVITY

Conditions to avoid : Avoid contact with strong oxidizing agents or strong acids.
Hazardous polymerisation : No
Stability : Yes

11. TOXICOLOGICAL INFORMATION

Skin irritation : The toxic effects of this material is not known.
Eye irritation : The toxic effects of this material is not known.

12. ECOLOGICAL INFORMATION

Further ecological information

Ecological notes : No data available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

Product disposal and disposal requirements : Incinerate in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and permitted facilities is recommended.

14. TRANSPORT INFORMATION

Sea transport

IMDG:

Class : 8
UN-No : 2735
PG : III
MFAG :
EmS : F-A S-B
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard release : Alkoxylated Fatty Amine
Label : 8

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Air transport

ICAO/IATA:

Class : 8
UN-No : 2735
PG : III
Proper shipping name : Amines, liquid, corrosive, n.o.s.
Hazard release : Alkoxyated Fatty Amine
Label : 8

DOT (Department of Transportation)

CFR Road:

Class : 8
UN-No : 2735
PG : III
Proper shipping name : Amines, liquid, corrosive, n.o.s.
Correct technical name : Alkoxyated Fatty Amine
Label : 8

CFR Rail:

Class : 8
UN-No : 2735
PG : III
Proper shipping name : Amines, liquid, corrosive, n.o.s.
Correct technical name : Alkoxyated Fatty Amine
Label : 8

CANADA Transport of Dangerous goods

TDG Road:

Class : 8
UN-No : 2735
PG : III
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.
Correct technical name : Alkoxyated Fatty Amine
Label : 8

TDG Rail:

Class : 8
UN-No : 2735
PG : III
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.
Correct technical name : Alkoxyated Fatty Amine
Label : 8

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15. REGULATORY INFORMATION

United States

SARA Section 311/312 : Fire: No
Pressure generating: No
Reactivity: No
Acute: Yes
Chronic: No

TSCA (Toxic Substance Control Act) : TSCA Inventory
Notification : Yes
All intentional ingredients are listed in the TSCA Inventory or comply with TSCA Polymer Exemption criteria per 40 CFR 723.

TSCA (Toxic Substance Control Act) : SECTION 13
Notification : Yes

California Proposition 65 Statement : Notification : Yes
This product contains a chemical known to the state of California to cause cancer, birth defects, or other reproductive effects.

Components	CAS-No.	Concentration [%]
1,4-dioxane	123-91-1	< 0.0001
Ethylene Oxide	75-21-8	< 0.001

Canada : WHMIS CLASSIFICATION
Class E, D2B

Canadian Environmental Protection Act
All intentional ingredients are listed on the DSL (Domestic Substance List) or have been notified pursuant to the NSN regulations.

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16. OTHER INFORMATION

HMIS Codes : Fire : 1
Health : 3
Physical Hazard : 0
Protection : X

Manufacturer disclaimer : While the information and recommendations contained herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon