

SAFETY DATA SHEET

CARBOMER 940

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Carbomer 940

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

Classification of the substance or Mixture

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

This product is not classified as hazardous.

GHS Label elements, including Precautionary Statements

This product is not subject to hazard labeling

Pictograms : —

Signal word : ---

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

Chemical Name	CAS Number	Concentration
Polyacrylic acid	9003-01-4	98-100%

4. FIRST AID MEASURES

Description of First Aid Measures

Inhalation : If breathing becomes difficult, move the victim to fresh air and give oxygen. If breathing has ceased, administer artificial respiration. Seek immediate medical attention.

Skin : Remove contaminated clothing and segregate. Wash thoroughly with soap and water. Seek medical attention if irritation develops/persists. Wash contaminated clothing before reusing.

Eye Exposure : Irrigate with water for at least 15 minutes. Seek medical attention.

Ingestion : Rinse mouth with water. Do not induce vomiting unless advised to do so by a physician. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

For symptoms and effects caused by the contained substances, please refer to sections 2 and 11.

Indication of immediate medical attention and special treatment needed:

Follow doctor's orders

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media : Carbon dioxide, Dry chemical, Foam and Water spray

Unsuitable Extinguishing Media : None in particular

Special hazards arising from the Substance / mixture : Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

Advice for fire-fighters

Protective Equipment : Wear full protective fire gear including SCBA operated in the positive pressure mode when the potential for exposure to chemicals of combustion exists.

Precautions for fire-fighters : Use water spray to cool unopened containers to prevent product decomposition and the development of substances potentially hazardous for health. Dispose of contaminated water used to extinguish fire in accordance with regulations.

: Do not discard product to the environment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

If the permitted workplace exposure thresholds do not meet specifications, suitable respiratory protection must be worn.

Environmental Precautions :

Product must not penetrate storm drains, sewers, surface water, ground water or neighboring areas.

Methods and Materials for containment and clean-up :

Sweep or shovel material without the formation of dust. Collect material in a suitable container with closed lid for disposal. Dispose of all waste materials in accordance with federal, state and local waste management regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling :

Avoid contact with eyes, skin and mucous membranes. Avoid sources of ignition. Ensure that proper exhaust ventilation is established in working areas.

Normal measures for preventive fire protection.

Conditions for Safe Storage :

Store product in original containers with proper labeling. Container lid should be tightly sealed when not in use. Store product in a dry, cool and well ventilated area. Protect from moisture.

Incompatibilities : No known incompatibilities under normal use and proper storage conditions.

Specific end use(s) : No other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters :

If the permitted workplace exposure thresholds do not meet specifications, suitable respiratory protection must be worn.

Components with control parameters :

The industry-recommended permissible exposure limit (PEL) for respirable polyacrylate dusts is 0.05 mg/m³.

Engineering Controls

Control Measures : Ensure proper exhaust ventilation is equipped in working areas.

Personal Protective Equipment

Eye Protection : Chemical splash goggles or a full face respirator mask.

Skin Protection : Standard full length work apparel, coveralls and professional safety footwear.

Hand Protection : Chemical-protective gloves

Respiratory Protection : Organic vapor mask with dust filter, or supplied air depending upon airborne exposure levels.

Protective Equipment : Eye wash/safety shower located within 25 feet of working area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder
Color	White
Odor	Slightly acetic
Odor Threshold	Not available
pH (0.5% in water)	2.7-3.5
Melting Point	Not applicable
Boiling Point	Not applicable
Distillation Range	Not available
Flash Point	Not available
Evaporation Rate	Not available
Flammability of solids and gases	Dust can form explosive mixtures with air
Vapor Pressure	Not available
Vapor Density	Not available
Specific gravity	1400 kg/l
Solubility	Dispersible
Partition coefficient: n-octanol / water	Not available
Ignition temperature	>500 °C
Decomposition temperature	Not available
Viscosity	Not available
Reactive Properties	Not available

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10. STABILITY AND REACTIVITY

Reactivity : No particular risks of reaction with other under normal conditions

Chemical Stability : Stable under recommended storage conditions.

Possibility of Hazardous Reactions : No foreseeable hazardous reactions under normal conditions.

Conditions to Avoid : None with proper storage and handling.

Incompatible Materials : Information not available.

Hazardous Decomposition Products : In the event of thermal decomposition or fire, potentially dangerous vapors may be released.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50 (oral/rat) : >10,000 mg/kg

LD50 (dermal / rabbit) : > 2,000 mg/kg

LC50 (inhalation) : Avoid the inhalation of dust.

Animal studies indicate that the inhalation of respirable polyacrylate dust may cause inflammatory changes in the lungs.

Skin Irritation : Non irritant

Although this product is not classified as an irritant, contact dermatitis may occur in sensitive individuals under extreme and unusual conditions of prolonged and repeated contact, such as high exposure accompanied by elevated temperature and occlusion by clothing. This effect may be the result of the product's hygroscopic properties, abrasion, or pH.

Eye Irritation : Not expected to cause eye irritation.

Particulates may cause mechanical irritation. Solid particles (powder or dust) on the eye may cause pain and irritation.

Respiratory Irritation : Inhalation of respirable polyacrylate dust may cause coughing, mucous production, and shortness of breath.

Skin Sensitization (Maximisation Test) : Non sensitizing

Inhalation Sensitization : No data to support that this product is a respiratory sensitizer.

A two-year inhalation study in rats exposed to a respirable, water-absorbent sodium polyacrylate dust resulted in lung effects such as inflammation, hyperplasia, and tumors.

- No observed adverse effects at exposures of 0.05 mg/m3.

Carcinogenicity : Not listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.

Mutagenicity (Ames Test) : Non mutagenic

Teratogenicity : No data available to indicate that this product may cause birth defects.

Toxicological Effects :

Pre-existing skin conditions may be aggravated by prolonged or repeated exposure. Individuals with sensitive airways (asthmatics) may react to vapors. This material readily absorbs moisture and may become thick and gelatinous upon contact with mucous membranes of the eye, or upon inhalation into the nasal passages.

12. ECOLOGICAL INFORMATION

Environmental Toxicity

LC50 (96h) : > 100 mg/l Fish

EC50 (48h) : > 100 mg/l Daphnia Magna

Persistence and Degradability : Less than 20% of this product shows limited biodegradation based on OECD 301 type test data. Less than 20% of this product shows limited biodegradation based on OECD 302 type test data

Bio-accumulative potential : Less than 0.5 % of the components displays potential to bioconcentrate, based on their log Kow.

Mobility in Soil : Information not available

Results of PBT and vPvB Assessment : Information not available

Other Adverse Effects : Information not available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Dispose of waste and residues in accordance with federal, state and local requirements. Contact the nearest EPA office for guidance if necessary.

14. TRANSPORT INFORMATION

This product is not dangerous under current provisions of the United States Department of Transportation (DOT), International Maritime Dangerous Goods Code (IMDG) and the International Air Transport Association (IATA).

US DOT : Not Regulated (Not dangerous goods)

IMGD : Not Regulated (Not dangerous goods)

IATA : Not Regulated (Not dangerous goods)

15. REGULATORY INFORMATION

Global Chemical Inventories

All of the components comprised in this product are listed on the following inventories.

United States (TSCA)

EU (REACH)

Australia (AICS)

Canada (DSL)

China (IECSC)

Japan (ENCS)

Korea (ECL)

New Zealand (NZIoC)

Philippines (PICCS)

Taiwan (NECI)

State Regulations

California Proposition 65 : This product contains residual solvent methylene chloride which is known to the State of California to cause cancer or reproductive toxicity as listed under California Proposition 65 State Drinking Water and Toxic Enforcement Act.

U.S. Federal Regulations

CERCLA RQ (lbs.) : Not Listed

16. OTHER INFORMATION

NFPA Rating

Health Hazard : (1)

Fire Hazard : (1)

Reactivity Hazard : (0)

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