

MATERIAL SAFETY DATA SHEET

Product Name : 712

Date Issued : January 17, 2012

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: 712

Chemical Synonym / C# : c712

Formula : Multi-component mixture

Chemical Family: Alkaline detergent

Supplier : Specialty Chemicals Inc. 208 Widedon Landing Hilton, NY 14468

Information Telephone : (585)752-2320

Emergency Telephone : (607)529-3218

SECTION 2 : COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	% (w/w)	ACGIH TLV (mg/m3)	
			TWA	STEL
Polymaleic Acid	26099-09-2	1 - 5	-	-
Sodium Hydroxide	1310-73-2	1 - 5	-	2 (ceiling)
2-Propenoic Acid, Polymer with Sodium Phosphinate	71050-62-9	1 - 5	-	-

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

SECTION 3 : HAZARD IDENTIFICATION

Emergency Overview : Solutions and powders are severe eye irritants, and prolonged or repeated contact may cause skin irritation. Dusts and mists are irritating to the skin, mucous membranes, and upper respiratory tract. Read the entire MSDS for a more thorough evaluation of the hazards.

POTENTIAL HEALTH EFFECTS: Acute: May cause severe irritation to the eyes. Dusts and mists are irritating to the skin, mucous membranes, and upper respiratory tract.

Chronic: May cause irritation of the skin, respiratory airways, mucous membranes and eyes.

Inhalation: No test data found for this product.

Skin Contact: No test data found for this product.

Eye Contact: No test data found for this product.

Ingestion: No test data found for this product.

SECTION 4 : FIRST AID MEASURES

General:

Eye Contact: Immediately flush contacted area repeatedly with water for at least 15 minutes, holding eyelids open. Contact a physician for treatment.

Skin Contact: Immediately flush contacted area repeatedly with water for at least 15 minutes. If irritation persists, contact a physician for treatment.

Inhalation: Move victim to fresh air. If irritation persists, seek medical attention.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water or milk, then drink dilute vinegar, lemon juice, orange juice, or soda if conscious.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point : None **Method Used:** N/A **Flammable Limits:** LEL =N/A UEL =N/A

Extinguishing Media: None required.

Fire Fighting Procedures: Use caution when fighting any fire. Adequate respiratory protection is essential.

Unusual Fire and Explosion Hazards: None known.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:

Small Spill: Absorb with suitable absorbant such as sand or vermiculite.

Large Spill: Stop leak at source and contain spill with dike made of inert material such as sand or diatomaceous earth. Pump material to suitable container for possible reuse.

Solid spill: Sweep up and return to container.

Deactivating Chemicals: Mild acids such as dilute phosphoric will bring the pH to a neutral range.

SECTION 7 : HANDLING AND STORAGE

Handling: Handle with care. Wash thoroughly after handling. Launder contaminated clothing before reuse.

Storage Requirements: Keep container closed. For Industrial and commercial use only!

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: None required.

Ventilation / Local Exhaust : General room ventilation.

Ventilation / Mechanical Recommendations: None required.

Skin Protection: Vinyl or rubber protective gloves.

Eye Protection: Goggles or face shield.

Other Protective Equipment: Vinyl apron (optional).

Exposure Guidelines: See section 2 for ACGIH recommendations for each hazardous ingredient.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor: Clear liquid, odor nil.

Water Solubility: complete

pH (1%): 10 - 11

Specific Gravity: 1.18

Boiling Point (°F): 212+

Evaporation Rate(water=1): N/A

% volatile: N/A

Vapor Density(air=1): N/A

Vapor Pressure(mmHg): N/A

SECTION 10 : STABILITY AND REACTIVITY

Hazardous Decomposition Products: None.

Chemical Stability: Stable.

Conditions to Avoid: Splashing solutions, prolonged skin contact.

Incompatibility with other Substances: Acids

Hazardous Polymerization: Will not occur.

SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicological Data: Toxicological studies were not performed on the blended product, although it is considered to be a severe eye irritant, and moderately irritating to the skin.

Toxicological Data as Sodium Hydroxide: Acute dermal LD50 1.35g/kg(rabbit).

Toxicological Data (as Polymaleic Acid) :

Oral LD50 (rat) : 1500 mg/kg (neutralized, similiar product)

Dermal LD50 = no data available.

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Toxicological Data (as 2-Propenoic Acid, Polymer with Sodium Phosphinate) :

Eye effects : Non irritant (rabbit)(similar product)
Skin effects : Non irritant (rabbit)(similar product)
Oral LD50 = > 5000 mg/kg (rat) (similar product)
Inhalation LC50 : No data
Dermal LD50 : No data
Acute effects from overexposure : Not expected to be irritating to the skin or eyes.
Chronic effects from overexposure : A 90 day feeding study in rats indicated bone damage and kidney effects with a similar product. Product was not genotoxic in standard tests.

Carcinogenicity: This product does not contain any materials considered to be carcinogenous according to OSHA, NTP, IARC, or ACGIH.

SECTION 12 : ECOLOGICAL INFORMATION

Exotoxicological Information : No data found for the blended product.

Environmental Effects: No data found for the blended product.

Persistence and Degradation: No data found for the blended product.

Exotoxicological Information (as Sodium Hydroxide): Can cause damage to vegetation.

Toxicity is primarily associated with pH. Toxic to aquatic life.

Environmental Effects: Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.

Persistence and Degradation: Degrades readily by reacting with natural carbon dioxide in the air. Does not bioaccumulate.

Exotoxicological Information (as Polymaleic Acid):

This ingredient is expected to have low toxicity to fish (LC50>100ppm), and aquatic invertebrates (LC50>580ppm). Suggested ambient pH values for domestic water supplies range between 5.0 - 9.0, for freshwater aquatic life between 6.5 - 9.0, and for marine life between 6.5 and 8.5 (but not more than 0.2 units outside of the normally occurring range).

Chemical Fate Information (as Polymaleic Acid):

This ingredient is not expected to bioaccumulate in fish or plants. It may accumulate in activated sludge, and to a lesser degree algae. It is not expected to significantly undergo biodegradation but may undergo photolysis. This product may cause a decrease in the pH.

Exotoxicological Information (as 2-Propenoic Acid, Polymer with Sodium Phosphinate):

No data available for product. Data below are for a similar product.

LC50 (rainbow trout, 96 hour) = > 1000 ppm (solids)

LC50 (zebra fish, 96 hour) = > 1000 ppm (solids)

EC50 (daphnia magna, 24 hour) = > 320 ppm

Chemical Fate Information (as 2-Propenoic Acid, Polymer with Sodium Phosphinate):

No data available for product. Data below are for a similar product.

Effluent data -

BOD: Modified OECD test 301E - Not Biodegradable

OECD Closed Bottle Test 301D - Not Biodegradable

COD : 1.113 g Oxygen/g

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SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Method: Neutralize spent solutions to an acceptable pH level. Allow oils to separate and decant if possible. Detergent portion is 100% biodegradable.

Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No

If yes, the RCRA ID number is : N/A

SECTION 14 : TRANSPORTATION INFORMATION

Transportation Emergency Telephone Number: 3E 24 hour number : (866)302-6855*

*Please refer to c# referenced in section 1 of this msds.

DOT Proper Shipping Name: Not Regulated (Compound, cleaning, liquid, NOIBN)

DOT Hazard Class / Product Identification Number / Packing Group / DOT Label:
NOIBN

SECTION 15 : REGULATORY INFORMATION

US FEDERAL REGULATIONS :

TSCA (Toxic Substances Control Act) Status : TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a) :

<u>Component</u>	<u>Weight %</u>	<u>RQ (lbs)</u>
Maleic Acid	< 1	5000
SODIUM HYDROXIDE	1 - 5	1000

SARA 302 Components - 40 CFR 355 Appendix A

<u>Section 302 Component(s)</u>	<u>TPQ (lbs)</u>	<u>RQ (lbs)</u>
none		

SARA 311/312 Classification - 40 CFR 370.2 :

(as Polymaleic Acid) : Immediate (Acute) and delayed (chronic) health hazards
Threshold Planning Quantity (as Polymaleic Acid) = 10,000 lbs.

(as Sodium Hydroxide) : Immediate, Reactive

(as 2-Propenoic Acid, Polymer with Sodium Phosphinate): Delayed (Chronic) Health Hazard
TPQ = 10,000 lbs.

SARA 313 Components - 40 CFR 372.65:

<u>Section 313 Component(s)</u>	<u>CAS #</u>	<u>%</u>
none		

INTERNATIONAL REGULATIONS:

Inventory Status (as Polymaleic Acid):

WHMIS Information : the classification for Polymaleic Acid is : Toxic, D.2.B

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Inventory Status (as Sodium Hydroxide). Canada : WHMIS Hazard Class : D1B, E

Inventory Status (as 2-Propenoic Acid, Polymer with Sodium Phosphinate) :

WHMIS Information :

Product identification : None

Hazard Classification : None

Ingredient Disclosure List : listed

Domestic Substance List : Listed

STATE AND LOCAL REGULATIONS:

California Safe Drinking Water Act (Prop. 65) Listing : None listed.

Other Regulations / Legislation which apply to this product:

(as Sodium Hydroxide) Florida, New Jersey Special Health Hazard Substance List, Minnesota Hazardous Substance, California Director's List of Hazardous Substances, Pennsylvania Right-to-Know Special, Rhode Island Hazardous Substance List, Massachusetts Right-to-Know, Pennsylvania Right-to-Know, New Jersey Right-to-Know, CERCLA.

SECTION 16 : OTHER INFORMATION

NFPA Rating : **HEALTH: 1** **FLAMMABILITY: 0** **REACTIVITY: 0**

NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

Information and data compiled to compose this MSDS is correct to the best of our knowledge as of the printed date, and is offered solely for your consideration, investigation, and verification.