

# JOHNSON SCREENS

A Weatherford Company

## Material Safety Data Sheet

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name:** Steel Brite

**Part Number:**                      **Chemical Family:** Polymeric dispersant/surfactant solution

**Manufacturer's Name:** Johnson Screens /A Weatherford Company

**Address:** P.O. Box 64118 – St. Paul, MN 55164

**Product/Technical Information Phone Number:** 1-800-833-9473

**Medical/Handling Emergency Phone Number:** CHEMTREC 1-800-424-9300

**Transportation Emergency Phone Number:** CHEMTREC 1-800-424-9300

**Issue Date:** 09-08-03

**Revision Date/Revision Number:** 01/20/2012 /03

### SECTION 2 – COMPOSITION INFORMATION

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No constituents of the formulae are listed or considered hazardous under OSHA 29CFR 1910.1200

All components are listed under TSCA

### SECTION 3 - HAZARDS IDENTIFICATION

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**Appearance & Odor:** Clear yellow liquid

**Emergency Overview:** Product is a mild acid – handle with caution

**Fire & Explosion Hazards:** Contact with metals may produce flammable hydrogen gas

**Primary Route(s) of Exposure:** Skin, eyes, and inhalation

**Inhalation – Acute Effects:** Irritation or corrosion of mucous membranes with upper and lower respiratory irritation

**Skin Contact – Acute Effects:** Skin discomfort or rash

**Eye Contact – Acute Effects:** Irritation, tearing, or blurring of vision

**Ingestion – Acute Effects:** Diarrhea

**SECTION 4 - FIRST AID MEASURES**

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**Inhalation First Aid:** Remove affected person from area to fresh air and provide oxygen if breathing is difficult. Give artificial respiration ONLY if breathing has stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention.

**Skin Contact First Aid:** Immediately remove clothing from affected area and wash skin for 15 minutes with flowing water and soap. Clothing should be discarded or washed before reuse. Obtain medical assistance if irritation develops.

**Eye Contact First Aid:** Immediately irrigate eyes with flowing water continuously for 15 minutes while holding eyes open. Contacts should be removed before or during flushing. Obtain medical attention immediately.

**Ingestion First Aid:** If victim is alert and not convulsing, rinse mouth with water and give plenty of water to drink. If spontaneous vomiting occurs, have affected person lean forward with head down to avoid breathing in of vomitus. Rinse mouth again and give more water to drink. Obtain medical attention.

**Medical Conditions Aggravated:** None known

**Note to Physician:** Product has some surfactant qualities that may result in a laxative effect in cases of ingestion.

**SECTION 5 - FIRE FIGHTING MEASURES**

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**Flash Point/Method:** None

**Auto Ignition Temperature:** N/D

**Upper/Lower Explosion Limits:** N/A

**Extinguishing Media:** That which is appropriate for surrounding fire

**Fire Fighting Procedures:** Wear self-contained breathing apparatus. Carbon monoxide, carbon dioxide, phosphorus oxides (extremely small) may be released in a fire.

**Fire & Explosion Hazards:** High heat fires could result in excessive carbon monoxide release.

**Hazardous Products of Decomposition and/or Combustion:** Carbon monoxide, carbon dioxide, and phosphorus oxides.

**NFPA Ratings:**

HEALTH	FLAMMABILITY	REACTIVITY	OTHER
1	0	0	None

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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Neutralize spills with lime or soda ash. Flush spill area with plenty of water. Keep spectators away. Treat as an acid material. Contain spill with inert material (e.g. sand, earth, absorbable material). Transfer diking material to suitable container for recovery or disposal. Material may be diluted and rinsed down a sanitary sewer system to a municipal wastewater plant. If quantities in excess of 500 gallons are rinsed to a sewer, the district should be notified of possible pH upset to the wastewater plant.

All disposal methods must be in compliance with all Federal, State, Local and Provincial laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

**SECTION 7 – HANDLING AND STORAGE**

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**Handling:** Minimize skin contact. Wash with soap and water before eating, drinking, smoking, or using toilet facilities.

**Storage:** Keep in well ventilated area. Keep package tightly closed. Store above 32° F. (0° C.) Product should not be stored with or near strong caustic or oxidizing agents.

**General Comments:** None

**SECTION 8 – PERSONAL PROTECTION / EXPOSURE CONTROL**

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**Respiratory Protection:** None required for normal use

**Skin Protection:** Neoprene gloves or approved chemical protective gloves suitable for use in acid material

**Eye Protection:** Chemical splash goggles (ANSI Z871) or approved equivalent

**Ventilation Protection:** Standard plant ventilation should be sufficient

**Other Protection:** Safety showers, with quick opening valves which stay open, and eye wash fountains, or other means of washing the eyes with a gentle flow of cool to tepid tap water, should be readily available in all areas where this material is handled or stored.

**Exposure Limits:**

OSHA	ACGIH	NIOSH	SUPPLIER
None	None	None	AEL=20mg/m <sup>3</sup> - 8&12 hrs TWA

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance & Odor:** Clear yellow liquid  
**Vapor Pressure:** Vapor is water      **Vapor Density:** 1.0 (vapor is water)  
**Boiling Point:** 232° F.      **Melting Point:** N/A  
**Specific Gravity:** 1.15      **Solubility in Water:** Complete  
**Volatile Percentage:** 34%      **pH:** 2.4  
**Flash Point/method:** Will not flash      **pH of 1%:** 2.94  
**Upper/Lower Explosion Limits:** N/A      **Auto Ignition Temperature:** N/D

**SECTION 10 - STABILITY AND REACTIVITY**

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**Stability:** Stable  
**Incompatibilities:** Metals, oxidizing agents such as nitric acid, cyanide, sulfides  
**Polymerization:** No  
**Decomposition:** Carbon monoxide, carbon dioxide, phosphorus oxides (extremely small)  
**Conditions to Avoid:** Contact with strong oxidizing chemicals such as calcium hypochlorite

**SECTION 11 - TOXICOLOGICAL INFORMATION**

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**Inhalation – Acute:** 4 hrs. LC<sub>50</sub> (rats) – 18 mg/L  
**Inhalation – Chronic:** Not established  
**Skin Contact – Acute:** Dermal LD<sub>50</sub> Rabbits > 3000 mg/kg  
**Skin Contact – Chronic:** Skin irritation Rabbits (Draize Score 1.7 /8)  
**Eye Contact – Acute:** Minimal Rabbits (Draize score 2.7 / 110)  
**Ingestion – Acute:** Oral LD<sub>50</sub> (Rats) > 5000 mg/kg  
**Carcinogenicity/Mutagenicity:** None  
**Reproductive Effects:** None known  
**Neurotoxicity:** None  
**Target Organs:** Kidneys, Bones

**SECTION 12 – ECOLOGICAL INFORMATION**

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Biodegradability:  
    BOD (5) 1.0% solution      7950 mg O<sub>2</sub>/L  
    BOD (5) 0.1% solution      725 mg O<sub>2</sub>/L  
    Total Organic Carbon      2.2%  
    Non-bioaccumulating  
Fish toxicity: Bluegill (24 – 48 hrs) LC<sub>50</sub> = 158 mg/L  
Biological safe concentration is 56 mg/L

**SECTION 13 – DISPOSAL CONSIDERATIONS**

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Comply with Federal, State, and local regulations. If approved, may be neutralized and flushed to wastewater treatment plant. Product is biodegradable, no discharge limitations are required.

Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable regulations. Product containers should be thoroughly emptied before disposal. Generators of waste material are required to evaluate all waste for compliance with RCRA and any local disposal procedures and regulations. NOTE: State and local regulations may be more stringent than federal regulations.

**SECTION 14 – TRANSPORTATION INFORMATION**

**DOT Shipping Description:** Not regulated as a hazardous material by the US Dept. of Transportation (DOT) 49CFR 172.101 Hazardous Materials Table

**SECTION 15 – REGULATORY INFORMATION**

RCRA Status: Not a hazardous waste under RCRA 40 CFR 261. No reportable quantities.

SARA/TITLE III-CERCLA List: This product does not contain a “CERCLA” listed hazardous substance for emergency release notification under Sec. 304 (40CFR 302).

SARA/TITLE III-Toxic Chemicals List: This product does not contain a toxic chemical for routine annual “Toxic Chemical Release Reporting” under Sec. 313 (40CFR 372).

TSCA Inventory Status: Chemical components listed on TSCA Inventory.

California Proposition 65: This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.

**SECTION 16 – OTHER INFORMATION**

**Disclaimer:** The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the user thereof. It is the buyer’s responsibility to ensure that its activities comply with federal, state, provincial and local laws.

# JOHNSON SCREENS

A Weatherford Company

## Material Safety Data Sheet

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name:** Steel Brite II

**Part Number:**

**Chemical Family:** Mineral and organic acid plus dispersant and inhibitor

**Manufacturer's Name:** Johnson Screens / A Weatherford Company

**Address:** P.O. Box 64118 – St. Paul, MN 55164

**Product/Technical Information Phone Number:** 651-636-3900

**Medical/Handling Emergency Phone Number:** CHEMTREC 1-800-424-9300

**Transportation Emergency Phone Number:** CHEMTREC 1-800-424-9300

**Issue Date:** 03-30-04

**Revision Date/Revision Number:** 01/20/2012 / 06

### SECTION 2 – COMPOSITION INFORMATION

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	% by Weight	
Phosphoric Acid	Less than 20%	Food Grade
Orthophosphoric Acid (CAS # 7664-38-2)		

### SECTION 3 - HAZARDS IDENTIFICATION

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**Appearance & Odor:** Colorless to lightly colored liquid; nil odor

**Emergency Overview:** Overexposure may aggravate disorders of the skin / respiratory system

**Fire & Explosion Hazards:** None currently known

**Primary Route(s) of Exposure:** Skin, eyes, digestive tract, respiratory system

**Inhalation – Acute Effects:** May cause irritation / coughing

**Skin Contact – Acute Effects:** May cause severe irritation; prolonged or repeated skin contact may cause burns, irreversible damage

**Eye Contact – Acute Effects:** May cause severe irritation / burns; prolonged or repeated eye contact may cause irreversible damage or blindness

**Ingestion – Acute Effects:** May cause irritation, burns, pain, nausea, vomiting, shock symptoms (rapid pulse, sweating, collapse)

**SECTION 4 - FIRST AID MEASURES**

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**Inhalation First Aid:** Remove affected person from area to fresh air and provide oxygen if breathing is difficult. Give artificial respiration ONLY if breathing has stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention.

**Skin Contact First Aid:** Immediately remove clothing from affected area and wash skin for 15 minutes with flowing water and soap. Clothing should be discarded or washed before reuse. Obtain medical assistance if irritation develops.

**Eye Contact First Aid:** Immediately irrigate eyes with flowing water continuously for 15 minutes while holding eyes open. Contacts should be removed before or during flushing. Obtain medical attention immediately.

**Ingestion First Aid:** If victim is alert and not convulsing, rinse mouth with water and give plenty of water to drink. If spontaneous vomiting occurs, have affected person lean forward with head down to avoid breathing in of vomitus. Rinse mouth again and give more water to drink. Obtain medical attention.

**Medical Conditions Aggravated:** Persons with pre-existing skin disorders or eye problems, or impaired respiratory function may be more susceptible to the effects of the substance.

**Note to Physician:** May give oxygen if breathing difficulty following exposure. Observe for possible delayed reactions.

**SECTION 5 - FIRE FIGHTING MEASURES**

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**Flash Point/Method:** N/A

**Auto Ignition Temperature:**

**Upper/Lower Explosion Limits:** Not determined

**Extinguishing Media:** Chemical type foam, CO<sub>2</sub> (Carbon Dioxide), dry chemical, water fog

**Fire Fighting Procedures:** Not considered a fire hazard

**Fire & Explosion Hazards:** Is not flammable, however the following can occur during a fire: phosphorus oxides and/or phosphine from thermal decomposition and hydrogen from reactive metals.

**Hazardous Products of Decomposition and/or Combustion:** Oxides of phosphorus

**NFPA Ratings:**

HEALTH	FLAMMABILITY	REACTIVITY	OTHER
2	0	0	

0 = Insignificant    1 = Slight    2 = Moderate    3 = High    4 = Extreme

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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**Small spill:** neutralize acid spill with alkali such as soda ash, sodium bicarbonate, limestone or lime. Absorb material with an inert material such as sand, vermiculite, diatomaceous earth or other absorbent material and place in chemical waste container to be disposed at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal. Adequate ventilation is required for soda ash due to the release of carbon dioxide gas. No smoking in spill area.

**Large spill:** contain with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining spill with an inert material such as sand, vermiculite or other absorbent material and place in chemical waste container to be disposed at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal. Neutralize residue with alkali such as soda ash, sodium bicarbonate, limestone or lime. Adequate ventilation is required for soda ash due to the release of carbon dioxide gas. No smoking in spill area.

**Release Notes:** If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the U.S., contact the US COAST GUARD NATIONAL RESPONSE CENTER toll free number 800-424-8802. In case of accident or road spill notify: CHEMTREC in USA at 800-424-9300; CANUTEC in Canada at 613-996-6666; CHEMTREC in other countries at (International code)+1-703-527-3887.

**Comments:** See Section 13 for disposal information and Section 15 for regulatory requirements. Large and small spills may have a broad definition depending on the user's handling system. Therefore, the spill category must be defined at the point of release by technically qualified personnel.

## SECTION 7 – HANDLING AND STORAGE

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**Handling:** For industrial use only. Some heat is generated upon dilution with water. When diluting, add product slowly to water with agitation. Never add water to the acid as some splashing could result. Always add acid to water. ATTENTION: This container hazardous when emptied. Since emptied container contains product residues (vapor or liquid), all labeled hazard precautions must be observed.

**Storage:** Keep container closed when not in use. Keep out of reach of children.

**General Comments:** Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do not breathe vapor, mist, or dust. Do not get in eyes, on skin, or clothing. Do not swallow.



**SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROL**

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**Respiratory Protection:** If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should be readily available.

**Skin Protection:** Acid proof gloves; clean, body covering clothing; rubber apron; rubber boots

**Eye Protection:** Chemical goggles or faceshield (ANSI Z87.1 or approved equivalent). Always wear eye protection when working with chemicals. Do not wear contact lenses when working with chemicals.

**Ventilation Protection:** Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements. Mechanical general ventilation is usually adequate. Local mechanical ventilation may be required.

**Other Protection:** Safety shower, eye wash fountain, and washing facilities should be readily available. In case of emergency or when dusting, misting, or splashing may occur, wear respiratory protection, eye protection, gloves, helmet, boots, and complete protective body covering.

**Exposure Limits:**

OSHA	ACGIH	NIOSH	SUPPLIER
TWA/TLV (ppm)	TWA/TLV (ppm)	None	AEL=20 mg/m <sup>3</sup> – 8 & 12 hrs TWA
0.25	0.25		

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance & Odor:** Colorless to lightly colored liquid, no odor

**Vapor Pressure:** 5.700 @ 68° F.

**Boiling Point:** 245° F.

**Specific Gravity:** 1.34 @ 70° F.

**Volatile Percentage:** Not determined

**Flash Point/method:** N/A

**Other:**

**Vapor Density (Air=1):** Not determined

**Solubility in Water:** Complete

**pH:** aqueous approx. 1.000 to 2.000

**Auto Ignition Temperature:** None

**Upper/Lower Explosion Limits:** None

### SECTION 10 - STABILITY AND REACTIVITY

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**Stability:** Stable under normal conditions of storage and use  
**Incompatibilities:** Inorganic bases, metals/metal blends; contact with some metals can generate explosive hydrogen gas  
**Polymerization:** Will not occur  
**Decomposition:** Oxides of phosphorus and/or phosphine from thermal decomposition and hydrogen gas from reaction with metals  
**Conditions to Avoid:** High temperature or contact with strong bases or oxidizing agents

### SECTION 11 - TOXICOLOGICAL INFORMATION

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**Inhalation – Acute:** LC<sub>50</sub> (guinea pig, mouse, rat, rabbit): 61-1,689 mg/m<sup>3</sup> (acute values for 75-85% acid)  
**Inhalation – Chronic:** Not established  
**Skin Contact – Acute:** LD<sub>50</sub> (rabbit): >1,260 to > 3,160 mg/kg (acute values for 75-85% acid)  
**Skin Contact – Chronic:** Skin irritation  
**Eye Contact – Acute:**  
**Ingestion – Acute:** Oral LD<sub>50</sub> (rat): >5000 mg/kg  
**Ingestion – Chronic:**  
**Carcinogenicity/Mutagenicity:** No components present in excess of 0.1% by weight are listed as carcinogens by IARC, NTP, or OSHA  
**Reproductive Effects:** 375 mg/kg bw did not affect offspring growth in rats  
**Neurotoxicity:** None known  
**Other Effects:** In vitro bacterial genetic toxicity negative  
**Target Organs:** Overexposure may cause damage to all body tissues

### SECTION 12 – ECOLOGICAL INFORMATION

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Ecotoxicity: acute toxicity to fish: 96 hour LC<sub>50</sub>: 3.0 – 3.5 mg/L (15 to 17.5 mg/L of concentrated product)

Acute toxicity to Daphnia: survival rate depends on pH

Environmental Fate: phosphoric acid undergoes ionic dissociation in water.

Toxicity: Moderately toxic to aquatic organisms as defined by USEPA (exhibited by concentrated phosphoric acid)

Degradation Products: while acidity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

### SECTION 13 – DISPOSAL CONSIDERATIONS

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Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable regulations. Product containers should be thoroughly emptied before disposal. Generators of waste material are required to

evaluate all waste for compliance with RCRA and any local disposal procedures and regulations. NOTE: State and local regulations may be more stringent than federal regulations.

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**SECTION 14 – TRANSPORTATION INFORMATION**  
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**DOT Shipping Description:**

Proper Shipping Name: Commercial commodity containing less than 20% phosphoric acid

Hazard Class: 8, UN1805, PG III, Non hazardous as ORM-D (49CFR.173.154)

Label Requirements: CORROSIVE required on larger containers; not required if shipped in containers of 4 liters or less with total package weight <66 lbs. (30 kg)

Reportable Quantity: None

European Transportation: ADR/RID Hazard Classification: 8 ADR/RID Item Number: 17C  
U.S. Custom Harmonization Number: 2809.20.00.30

**Canadian TDG:**

Hazard Class: Non-Hazardous

Label Requirements: None Required

Reportable Quantity: None

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**SECTION 15 – REGULATORY INFORMATION**  
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RCRA Status: Not a hazardous waste under RCRA 40 CFR 261. No reportable quantities.

SARA/TITLE III-CERCLA List: This product does not contain a “CERCLA” listed hazardous substance for emergency release notification under Sec. 304 (40CFR 302).

SARA/TITLE III-Toxic Chemicals List: This product does not contain a toxic chemical for routine annual “Toxic Chemical Release Reporting” under Sec. 313 (40CFR 372).

Fire: No Pressure Generating: No Reactivity: No Acute: Yes Chronic: No

40 CFR Part 355 – Extremely Hazardous Substances: None

TSCA Inventory Status: Chemical components listed on TSCA Inventory.

California Proposition 65: This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.

Canadian WHMIS Classification: This product does not contain any hazardous materials under CPR and this MSDS discloses all information elements required by the CPR.

**SECTION 16 – OTHER INFORMATION**

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# JOHNSON SCREENS

A Weatherford Company

## Material Safety Data Sheet

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name:** Passivator Rinse

**Part Number:**

**Chemical Family:** Polymer ester blend

**Manufacturer's Name:** Johnson Screens / A Weatherford Company

**Address:** P.O. Box 64118 – St. Paul, MN 55164

**Product/Technical Information Phone Number:** 1-800-833-9473

**Medical/Handling Emergency Phone Number:** CHEMTREC 1-800-424-9300

**Transportation Emergency Phone Number:** CHEMTREC 1-800-424-9300

**Issue Date:** 10-06-03

**Revision Date/Revision Number:** 01/20/12 /03

### SECTION 2 – COMPOSITION INFORMATION

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No constituents of the formulae are listed or considered hazardous under OSHA 29CFR 1910.1200

### SECTION 3 - HAZARDS IDENTIFICATION

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**Appearance & Odor:** Translucent to hazy; mild odor.

**Emergency Overview:** There are no potential health effects expected from handling this material. Good manufacturing practices are always recommended when handling any chemical. This mixture has not been specifically tested to determine its individual hazards. There is no significant laboratory data to suggest any hazard to humans. A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

**Fire & Explosion Hazards:** High heat fires could result in excessive carbon monoxide release.

**Primary Route(s) of Exposure:** Skin, eyes, inhalation, or ingestion.

**Inhalation – Acute Effects:** Short-term harmful health effects are not expected from vapor-generated at ambient temperatures.

**Skin Contact – Acute Effects:** May cause some irritation or discomfort.

**Eye Contact – Acute Effects:** May cause some moderate eye irritation.

**Ingestion – Acute Effects:** May cause abdominal discomfort, nausea, vomiting, and diarrhea.

**SECTION 4 - FIRST AID MEASURES**

\*\*\*\*\*

**Inhalation First Aid:** Remove affected person from area to fresh air and provide oxygen if breathing is difficult. Give artificial respiration ONLY if breathing has stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention.

**Skin Contact First Aid:** Immediately remove clothing from affected area and wash skin for 15 minutes with flowing water and soap. Clothing should be discarded or washed before reuse. Obtain medical assistance if irritation develops.

**Eye Contact First Aid:** Immediately irrigate eyes with flowing water continuously for 15 minutes while holding eyes open. Contacts should be removed before or during flushing. Obtain medical attention immediately.

**Ingestion First Aid:** If victim is alert and not convulsing, rinse mouth with water and give plenty of water to drink. Do not induce vomiting. If spontaneous vomiting occurs, have affected person lean forward with head down to avoid breathing in of vomitus. Rinse mouth again and give more water to drink. Obtain medical attention.

**Medical Conditions Aggravated:** Unlikely to aggravate existing medical conditions.

**Note to Physician:**

**SECTION 5 - FIRE FIGHTING MEASURES**

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**Flash Point/Method:** N/A

**Auto Ignition Temperature:** N/A

**Upper/Lower Explosion Limits:** N/A

**Extinguishing Media:** Use water spray, carbon dioxide, alcohol type or universal type foam applied in accordance with the manufacturer's instructions.

**Fire Fighting Procedures:** Wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode. Do not release runoff from fire control methods to sewers or waterways.

**Fire & Explosion Hazards:** None

**Hazardous Products of Decomposition and/or Combustion:** None

**NFPA Ratings:**

HEALTH	FLAMMABILITY	REACTIVITY	OTHER
1	0	0	None

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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**Safeguards (Personnel):** Review FIRE FIGHTING MEASURES and HANDLING (Personnel) sections before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up.

**Spill / Leak Procedures:** Collect for disposal in accordance with applicable Federal, State, or local regulations.

**Containment:** For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

## SECTION 7 – HANDLING AND STORAGE

\*\*\*\*\*

**Handling:** (Personnel) Safety glasses and PVC gloves.

**Storage:** Keep container tightly closed.

**General Comments:** None

## SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROL

\*\*\*\*\*

**Respiratory Protection:** Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

**Skin Protection:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Eye Protection:** Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of or in conjunction with contact lenses.

**Ventilation Protection:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Other Protection:** Eyewash stations, safety/quick drench showers, and washing facilities. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

**Exposure Limits:**

OSHA	ACGIH	NIOSH	SUPPLIER
None	None	None	None

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

\*\*\*\*\*

**Appearance & Odor:** Translucent to hazy; mild odor.

**Vapor Pressure:** Water

**Vapor Density (Air=1):** 1.0

**Boiling Point:** 218°F

**Melting Point:** Water soluble product

**Specific Gravity:** 1.18

**Solubility in Water:** Complete

**Volatile Percentage:** <5%

**pH:** 9.0

**Flash Point/method:** N/A

**Auto Ignition Temperature:** N/A

**Upper/Lower Explosion Limits:** Unknown

**SECTION 10 - STABILITY AND REACTIVITY**

\*\*\*\*\*

**Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Incompatibilities:** None known.

**Polymerization:** None

**Decomposition:** None

**Conditions to Avoid:** Storage in extreme heat.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

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A knowledge of the available toxicology information and of the chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

**Carcinogenicity/Mutagenicity:** IARC, NTP, and OSHA do not list products as a carcinogen.



**SECTION 12 – ECOLOGICAL INFORMATION**

\*\*\*\*\*

Product is biodegradable and considered non bioaccumulating.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

\*\*\*\*\*

Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable regulations. Product containers should be thoroughly emptied before disposal. Generators of waste material are required to evaluate all waste for compliance with RCRA and any local disposal procedures and regulations. NOTE: State and local regulations may be more stringent than federal regulations.

**SECTION 14 – TRANSPORTATION INFORMATION**

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**SECTION 15 – REGULATORY INFORMATION**

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California Proposition 65: This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.

**SECTION 16 – OTHER INFORMATION**

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