

SAFETY DATA SHEET

SECTION I: IDENTIFICATION

Product: 5420
Description: 5420
Company Identification: Solutions² LLC
1621 N. 1st St.
Winterset, IA 50273
Phone: 515-493-1153
Website: www.Solutions2llc.com



Company Emergency Telephone Number: CHEMTREC 1-800-424-9300

SECTION II: HAZARD(S) IDENTIFICATION

GHS CLASSIFICATION

Classification of Substance or Mixture: Mixture
Classification per Regulation (EC) No 1272/2008 [CLP]: Not classified.

GHS LABEL ELEMENTS

Labeling per Regulation (EC) No 1272/2008 [CLP]:

Hazard Pictogram: None
Signal Word: None
Hazard Statement(s): None

SECTION III: COMPOSITION / INFORMATION ON INGREDIENTS

CAS#	Chemical Formula
N/A	Proprietary Trade Secret Claimed.

Substances: The identity of this product is a trade secret (29 CFR 1910.1200(i)) and is available to any attending physician, paramedical personnel and/or spill response personnel in the case of an emergency. Proprietary ingredient is non-toxic.

There are no additional ingredients present which, within the current knowledge of the manufacturer and in the concentrations applicable, are classified as hazardous to the health or environment thus do not require reporting in this section.

Mixtures: Not applicable.

Specific chemical identity and/or exact percentage of mixture has been withheld as a trade secret.

SECTION IV: FIRST AID MEASURES

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause eye irritation.
Skin Contact: May cause skin irritation. Low hazard for usual industrial handling.
Inhalation: May cause respiratory tract irritation. Low hazard for usual industrial handling.
Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. Low hazard for usual industrial handling.

Chronic: No information found.

FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist seek medical attention.

Eyes: Flush with water for at least 15 minutes while holding eyelids. Call a physician if irritation persists. If worn, remove contacts after first 5 minutes.

Skin: Remove contaminated clothing. Wash exposed area with soap and water for at least 15 minutes. Launder clothes before reuse. Call a physician if rash or other symptoms develop.

Ingestion: If ingested, may cause loose stools. Drink plenty (2-3 glasses) of water and immediately consult a physician. Do not induce vomiting.

SECTION V: FIRE-FIGHTING MEASURES

Flash Point: Not applicable.

Lower Explosive Limit: Not applicable.

Upper Explosive Limit: Not applicable.

Extinguishing Media: Not applicable.

Unusual Fire and Explosion Hazards: None

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Methods for Containment: Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for Cleaning Up: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable covered, labeled containers. Prevent large spills from entering sewers or waterways. Never return spill to the original container for reuse. Product can be neutralized with water or acetic acid in accordance with local, state and federal regulations. Always sample spill and calculate via titration the proper amount of neutralizing material to be used to properly neutralize.

SECTION VII: HANDLING AND STORAGE

Safe Handling: Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

General Handling and Storage Precautions: As with all chemical products and material, take care as to where and how you store them.

Shelf Life: No known limit. Recommended: Use in 1 year

Special Sensitivity: None

Storage and Other Precautions: For increased shelf life keep in a closed container away from incompatible materials.

Storage Conditions for Safe Storage, Including any Incompatibilities: Store in original tightly closed container. Store away from incompatible materials (see section 10).

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: None established.

Respiratory Protection: Not normally required.

Ventilation: Normal ventilation is generally adequate.

Protective Equipment: As with any chemical, care should be taken as not to get anything in the eyes. Safety glasses or goggles are recommended.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Color	Liquid / Colorless
Odor	Odorless
pH	14.0
Melting Point / Freezing Point	No information available
Boiling Point / Boiling Range	234° F
Flash Point	> 100° C / > 212° F
Evaporation Rate	No information available
Flammability (Solid, gas)	No information available
Upper Flammability Limit	No information available
Lower Flammability Limit	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity	1.022
Solubility(ies)	Complete / 100%
Partition Coefficient	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available

Other Data: These physical properties are typical values for this product and not specifications. No other data.

SECTION X: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatible Materials: Do not mix with bases or strong oxidizing agents.

Hazardous Polymerization: Will not occur.

SECTION XI: TOXICOLOGICAL INFORMATION

LD50: Oral, rat: LD50 > 2,000 mg/kg

Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Mutagenicity: No information available.

Neurotoxicity: No information available.

Other Studies: N/A

SECTION XII: ECOLOGICAL INFORMATION

ECOLOGICAL STUDIES

Test Procedure:	Hach Reactor Digestion method for Waste and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods.
Test Results:	Concludes that this product is 100% Biodegradable. COD = 9,800 ml/L; BOD = 120 mg/L @ 5 days and 155 mg/L @ 10 days.

SECTION XIII: DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulators to ensure complete and accurate classification.

RCRA P-Series:	None listed.
RCRA U-Series:	None listed.

SECTION XIV: TRANSPORT INFORMATION

This Material is not regulated for transport.

The proper shipping name and/or hazard class for this product may vary according to packaging, properties and mode of transportation. Typical proper shipping names for this product are:

US Department of Transportation (DOT):	Not regulated as a Hazardous Material.
Canadian TDG (Transportation of Dangerous Goods):	Not regulated as a Hazardous Material.
IMO (Water Transportation):	Not regulated as a Hazardous Material.
IATA (Air Transportation):	Not regulated as a Hazardous Material.
Rail:	Not evaluated.

SECTION XV: REGULATORY INFORMATION

US FEDERAL

TSCA:	All Components of this product are listed on the TSCA inventory.
Health & Safety Reporting List:	None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules:	None of the chemicals in this product are under the Chemical Test Rules.
Section 12b:	None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule:	None of the chemicals in this product have a SNUR under TSCA.
CERCLA Hazardous Substances and Corresponding RQ's:	None of the chemicals in this product have an RQ.
SARA Section 302 Extremely Hazardous Substance:	None of the chemicals in this product have a TPQ.
Section 313:	No chemicals are reportable under section 313.
Clean Air Act:	This product does not contain any hazardous air pollutants. This product does not contain any Class 1 Ozone depleters. This product does not contain any Class 2 Ozone depleters.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemical in this product are considered highly hazardous by OSHA.

State: This Chemical is not present on state lists from CA, PA, MN, MA, FL or NJ.

California Prop 65 (California - No Significant Risk Level): None of the chemicals in this product are listed.

SECTION XVI: OTHER INFORMATION

Issue Date: 06/01/15 **HAZARD RATINGS:**

Version #: 1 **HMIS:** Health: 0 Flammability: 0 Physical Hazards: 0

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