KMI GLOBAL

Hypo-Solut

Conforms to USDA/FSIS Sanitation Performance Standards Compliance §416.4(a), A-1 and A-8 Guidelines

EAS CONSULTING GROUP

Specializing in FDA Regulatory Matters

July 7, 2019

Zach Lafler
KMI Cleaning Solutions, Inc.
157 Beadle Lake Road
Battle Creek, MI 49014

Dear Mr. Lafler:

This is in response to your request for a regulatory opinion on the ingredients in your proprietary cleaning product, identified as "Hypo-Solut." Based on our understanding of the intended use of your product, we conclude that all the ingredients are regulated and can be used in your cleaning product.

The use of the ingredients in your product are predicated on being used consistent with current Good Manufacturing Practices which may require following with a potable water rinse, if applicable.

We trust that this information is satisfactory and helpful to your goals. Please let us know if you have questions.

Thank you for the opportunity to be of service to your company.

Sincerely,

Edward A. Steele
Chairman & CEO

EAS Consulting Group, LLC
1700 Diagonal Road, Suite 750, Alexandria, Virginia 22314
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KMI GLOBAL
157 Beadle Lake Road
Battle Creek, MI 49014
1-800-772-4616

Date of Issue: 1/30/2019
Date of Revision: 6/21/2022

Letter of Guarantee

Product Name: HYPO-SOLUT
Product Item Code: KHS

KMI Cleaning Solutions, Inc. hereby guarantees that HYPO-SOLUT is safe and effective under the intended conditions of use as outlined in the product use instructions in accordance with FDA, Code of Federal Regulations, Title 21 and USDA/FSIS Sanitation Performance Standards Compliance §416.4(a), A-1 Guidelines where applicable. This product will not adulterate food products if it is used according to product use instructions.

Appropriate safety precautions must be used in compliance with plant safety procedures and standards while handling and using this product. HYPO-SOLUT is intended for use as a general cleaning compound on all surfaces with mechanical or steam cleaning devices.

Use Instructions: A dilute mixture of "HYPO-SOLUT" and water is a cost-effective method for cleaning equipment in food processing operations. When used properly, "HYPO-SOLUT" can be a very effective method of removing undesirable microorganisms. All personnel should be aware, however, that there are regulations concerning the use of this product. Solutions used for cleaning equipment should be a minimum of 150 parts per million--(ppm) and shall not exceed 200 parts per million (ppm) of available chlorine. The germ-removing effect in a solution of "HYPO-SOLUT" and water is due to available chlorine, present as hypochlorite and hypochlorous acid. Equipment or articles cleaned with the solution must be allowed to drain adequately before contact with food. When used in processing areas, food products and packaging materials must be removed from the room or carefully protected. After using HYPO-SOLUT, all surfaces must be thoroughly rinsed with potable water.

Sincerely,

Zach Lafler

Director of Business Development

KMI Cleaning Solutions, Inc.

269-964-2257 or (800) 772-4616

zlafler@kmicleaningsolutions.com

Revised: 06/21/2022

KMI GLOBAL
157 Beadle Lake Road
Battle Creek, MI 49014
1-800-772-4616

Product Usage Instructions
Hypo-Solut

Hypo-Solut Features and Benefits:

- Phosphate free, silicate free, chlorinated, and chelated, non-foaming
- Created for circulation and pressure spray cleaning of food processing equipment
- Designed for Hard Water use

Recommended Uses:

Circulation and Pressure Spray Cleaning leaves stainless steel tanks and pipes film free and bright, great for circulation cleaning.

A 150-200 ppm solution may be applied directly to surfaces and allowed to drain thoroughly.

Use & Concentration Instructions:

A dilute mixture of Hypo-Solut and water is a cost-effective method for cleaning equipment in food processing operations. When used properly, Hypo-Solut can be a very effective method of killing undesirable microorganisms. All personnel should be aware, however, that there are regulations concerning the use of this product. Solutions used for cleaning equipment should be a minimum of 150 parts per million (ppm) and shall not exceed 200 parts per million (ppm) of available chlorine. The germ- killing effect in a solution of Hypo-Solut and water is due to available chlorine, present as hypochlorite and hypochlorous acid. Equipment or articles cleaned with the solution must be allowed to drain adequately before contact with food.

Government Regulations:
Manufactured in accordance with Code of Federal Regulations, title 21 and FDA/USDA guidelines.

Revised: 06/24/2022

Safety Data Sheet

Issue Date: 01-Feb-2012 **Revision Date:** 03-Jan-2024 **Version** 1

1. IDENTIFICATION

Product Identifier
Product Name Hypo-Solut

Other means of identification

Product Code KHS
UN/ID No Not Regulated

Recommended use of the chemical and restrictions on use
Recommended Use Cleaner and Mildew remover.

Details of the supplier of the safety data sheet
Supplier Address
KMI GLOBAL
157 BEADLE LAKE RD
BATTLE CREEK, MI 49014

Emergency Telephone Number
Company Phone Number Phone: 269-964-2557
Fax: 269-964-7108
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Yellow liquid **Physical State** Liquid **Odor** Chlorine-like

Classification

Skin irritation	Category 2
Eye Damage	Category 1
Aquatic acute	Category 2

Hazards Not Otherwise Classified (HNOC)
Not determined

Signal Word
Danger

Hazard Statements
Cause skin irritation. Causes serious eye damage. Toxic to aquatic life.

Precautionary Statements - Prevention
Wash exposed skin thoroughly after handling. Avoid release to the environment. Wear protective gloves, protective clothing, eye protection, face protection.

Precautionary Statements - Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Precautionary Statements - Storage
Store in a well-ventilated place.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium Hypochlorite	7681-52-9	6.25

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin Contact IF ON SKIN (or hair): Wash with plenty of soap and water. Wash with contaminated clothing before reuse. If skin irritation occurs: Get medical attention/advice.

Inhalation IF INHALED: Assure fresh air breathing. Allow the victim to rest.

Ingestion IF SWALLOWED: Rinse mouth. Do not induce vomiting. Obtain emergency medical attention.

Most important symptoms and effects

Symptoms Causes skin irritation. Causes serious eye damage.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable Extinguishing Media Do not use a heavy water stream.

Specific Hazards Arising from the Chemical
No additional information available.

Hazardous Combustion Products None known.

Protective equipment and precautions for firefighters
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Safety glasses. Protective clothing. Gloves. Evacuate unnecessary personnel.
Environmental Precautions	Try to prevent the material from entering drains or water courses. See section 12 for additional Ecological information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from materials.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Wash exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep only in t he original container in a cool, well ventilated place away from: incompatible materials. Keep container closed when not in use.
Incompatible Materials	Strong reducing agents, combustible materials, aluminum, metals, ammonia, strong acids. Sources of ignition, direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Appropriate engineering controls

Engineering Controls	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.
Personal Protective equipment	Avoid all necessary exposure.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Chemical goggles or safety glasses.
Skin and Body Protection	Wear suitable protective clothing. Wear protective gloves.
Respiratory Protection	Wear protective mask.
General Hygiene Considerations	Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Yellow liquid	**Odor**	Chlorine like
Color	Yellow	**Odor Threshold**	0.3 ppm

Property	**Values**	**Remarks • Method**
pH	11.5 – 12.5	
Melting Point/Freezing Point	No data available	
Boiling Point/Boiling Range	No data available	
Flash Point	No data available	
Evaporation Rate	No data available	(Water = 1)
Flammability (Solid, Gas)	No data available	
Upper Flammability Limits	No data available	
Lower Flammability Limit	No data available	
Vapor Pressure	12 mm Hg	
Vapor Density	No data available	
Specific Gravity	No data available	
Water Solubility	No data available	
Solubility in other solvents	No data available	
Partition Coefficient	No data available	
Auto-ignition Temperature	No data available	
Decomposition Temperature	No data available	
Kinematic Viscosity	No data available	
Dynamic Viscosity	No data available	
Explosive Properties	No data available	
Oxidizing Properties	No data available	

10. STABILITY AND REACTIVITY

Reactivity
No addition information available.

Chemical Stability
Stable under normal conditions.

Possibility of Hazardous Reactions
Reacts violently with acids. May react violently with reducing agents. Contact with acids liberates toxic gas.

Hazardous Polymerization	Hazardous polymerization does not occur.

Conditions to Avoid
Incompatible materials. Direct sunlight. Extremely high or low temperatures.

Incompatible Materials
Strong reducing agents. Water. Zinc. Metals. Aluminum. Ammonia. String acids.

Hazardous Decomposition Products
Hydrogen chloride. Chlorine. Phosgene.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Causes serious eye damage.
Skin Contact	Causes serious eye damage.
Inhalation	Not classified.
Ingestion	Not classified.

Component Information

No data available.

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Not classifiable as a human carcinogen.

Numerical measures of toxicity
Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic life.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Hypochlorite 7681-52-9	0.84 mg/l (24h; Chlorophyta; Biomass)	0.026 mg/l (96 h; Oncorhynchus kisutch; Chlorine) 0.19 mg/l (96 h; Pimephales promelas)	0.2 mg/l (24h; Skeletonema costatum; Biomass)	2.1 mg/1 (96 h; Daphnia magna)

Persistence/Degradability
Not applicable

Bioaccumulation
Not bioaccumulative.

Mobility
No additional information available.

Other Adverse Effects
Avoid release into the environment.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations. Avoid release to the environment.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	Not regulated
Proper Shipping Name	-
Hazard Class	-
Packing Group	-

IATA

UN/ID No	Not regulated
Proper Shipping Name	-
Hazard Class	-
Packing Group	-

IMDG

UN/ID No	Not regulated
Proper Shipping Name	-
Hazard Class	-
Packing Group	-

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium Hydroxide 7732-18-5	Present	X	X	X	X	X	X	X	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Regulations

No additional information available.

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	Not determined	Not determined	Not determined	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
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Issue Date: 01-Feb-2012
Revision Date: 03-Jan-2024
Revision Note: New logo

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

בס״ד

ועד הרבנים דעטראיט
Council of Orthodox Rabbis of Greater Detroit

18877 West 10 Mile Road #101 Southfield, MI 48075
Phone: (248) 559 – 5005 Fax: (248) 559 – 5202 cor@cordetroit.com www.cordetroit.com

December 15, 2023

To Whom It May Concern:

The following cleaning products, manufactured by **KMI Cleaning Solutions**, 157 Beadle Lake Road, Battle Creek, MI 49014, and by **Arrow Chemical Products** Inc., 2067 Saint Ann Street, Detroit, MI 48216, which are going to be used at Kosher tank wash facilities throughout the country, are certified Kosher and Pareve, and are under the supervision of the Council of Orthodox Rabbis of Greater Detroit. Both plants have been visited by our Kashruth administrator, Rabbi Krupnik, and will continue to be inspected throughout the year.

- **Kleen Strip Powder**
- **D-8000 Powdered Detergent**
- **Breakaway Detergent**
- **191 Performance**
- **TW-22**
- **Work Horse**
- **Citra Clean**
- **Alligator**
- **X-20**
- **Swish**
- **Orange Gator**
- **Sudz**
- **Passivator**
- **Citric Passivator**
- **Metal Prep**

The products are a family of detergents based on Kosher Pareve approved acids (sulfuric acid, phosphoric acid, etc.) and other chemicals approved as Kosher and Pareve.

This certificate is valid through December 31, 2024.

Sincerely,

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Rabbi Moshe Wainkrantz
Director, Council of Orthodox Rabbis of Greater Detroit