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INDUSCO, LTD.

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MANUFACTURING CHEMISTS

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **PERFECT SOLUTION®**

Revision Date: March 3, 2015

Chemical Description: Blend of surfactants and inorganic builders

Manufacturer: IndusCo, Ltd.
2319 Joe Brown Drive
Greensboro, NC 27405
Main Telephone No. 336-375-7555
CHEMTREC-For Emergencies Only 1-800-424-9300 (24 hours), International 1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION/EMERGENCY OVERVIEW

Classification of the Substance or Mixture: SERIOUS EYE DAMAGE/EYE IRRITATION-Category 2A
SKIN CORROSION/IRRITATION-Category 3

Hazard Pictograms:



Signal Word: Warning

Hazard Statements: Causes serious eye irritation. Causes mild skin irritation.

Precautionary Statements

Prevention: Wear protective gloves/clothing and eye/face protection. Do not breathe dusts or mists. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling.

Response: Get medical attention if you do not feel well. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. IF ON SKIN (or Hair): Take off immediately all contaminated clothing. Rinse skin with water or shower IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Storage: Store locked up. Store in a well-ventilated area. Keep cool.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

SECTION 3: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Organic surfactant blend	<25%
Inorganic builders	<25%
Water	>50%

Trade Secret-Chemical identities of the ingredients in this mixture are considered to be trade secret and are withheld in accordance with 29 CFR 1910.1200. All materials are non-toxic and conform to the Toxic Substances Control Act. Formula will be made available to qualified medical personnel in the event of an emergency.

SECTION 4: 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. Get medical attention immediately. Continue to flush eyes with plenty of water.
Inhalation:	Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. In unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin Contact:	In case of contact, flush skin with plenty of water for at least 30 minutes. Get medical attention immediately if irritation develops or persists. Wash contaminated clothing thoroughly before reuse. Clean shoes thoroughly before reuse.
Ingestion:	Get medical attention immediately. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flammability of the Product	Not combustible.
Extinguishing Media	Small Fire: Use DRY chemical powder Large Fire: Use water spray, fog, or foam. Do not use water jet as an extinguisher, as this will spread the fire.
Protective Equipment for Firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Small Spill or Leak	Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary, use suitable protective equipment (Section 8). Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill or Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use suitable protective equipment (Section 8). Do not release into the environment.
Containment Methods	Stop the flow of material if this is without risk. Prevent spilled material from entering sewage and drainage systems which lead to waterways. Contain and collect spillage with absorbent material, i.e. sand, earth, diatomaceous earth and place in a container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilled product.

7. HANDLING AND STORAGE

Protective Measures:	Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Wear appropriate respirator when ventilation is inadequate. Do not enter storage spaces unless adequately ventilated. Keep in the original container and keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Remove
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contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking, or smoking. Wear appropriate personal protective equipment.

Conditions for Safe Storage Do not store below 0°C (32°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials and food and drink. Separate from acids and oxidizing materials. Keep container closed and tightly sealed until ready for use. Use appropriate containment to avoid environmental contamination. Empty containers retain product residue and can be hazardous. Do not reuse container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Exposure Limits

No occupational exposure limits were found.

Engineering Controls Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use explosion-proof ventilation equipment.

Personal Protection

Eyes Chemical splash goggles and/or face shield.

Skin Permeation resistant gloves. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. Permeation resistant clothing and foot protection.

Respiratory No personal respiratory protective equipment is normally required. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable), an approved respirator must be worn.

General Hygiene Considerations When using, do not eat, drink, or smoke. Do not get in eyes. Do not get this material in contact with skin. Wash hands and face before breaks and immediately after handling the product. Wash hands after handling and before eating. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Blue
Odor	Fragrant
PH	11.5-12.5
Evaporation Rate	Not available
Explosion Limits	Not available
Specific Gravity	1.04
Solubility	Soluble in cold or hot water
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available

10. CHEMICAL STABILITY AND REACTIVITY

Reactivity No specific test data for this product

Chemical Stability Material is stable under normal conditions.

Conditions to Avoid Extremes of temperature and direct sunlight.

Incompatible Materials Inorganic acids and bases. Avoid contact with oxidizing agents (for example, nitric acid, peroxides, and chromates.)

Hazardous Decomposition Products	Carbon monoxide. Organic compounds which may be toxic.
Hazardous Polymerization	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Dermal contact. Eye contact. Inhalation. Ingestion.
Acute Effects-Skin	Mild skin irritant. Primary dermal skin irritation score:4.29 (rabbit)
Acute Effects-Eyes	Causes serious eye irritation.
Acute Effects-Inhalation	Vapor may be irritating to the respiratory system.
Acute Effects-Ingestion	Acute oral LD ₅₀ >5000 mg/kg

12. ECOLOGICAL INFORMATION

Degradability/OECD	BOD (30-day)= 1,507,070 mg/kg, Degradability=89%
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13. DISPOSAL CONSIDERATIONS

Waste Information	Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Waste must be disposed of in accordance with federal, state, and local environmental control regulations.
Disposal Instructions	Consult authorities before disposal. Incinerate the material under controlled conditions in an approved incinerator.
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT-Basic Shipping Requirements	Not Regulated by DOT
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15. REGULATORY INFORMATION

U.S. Federal Regulations	TSCA: All intentionally present components are listed on the TSCA inventory. US EPA CERCLA Hazardous substances: No products were found. SARA Title III Section 302 Extremely Hazardous Substances: No products were found. SARA Title III 313 Toxic Chemicals: No products were found. SARA Title III 313 Chemical Notification and Release Reporting
State Regulations	California Prop. 65: No products were found.

16. OTHER INFORMATION

Notice to the Reader: The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable as of the date of publication. However, no warranty is made as to the accuracy of and/or sufficiency of such information. The Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products.