Delta Chemical Corp.
The Difference in Water Treatment
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SAFETY DATA SHEET

I. IDENTIFICATION

GHS Product Identifier: **Delta Biosperse**

Synonyms: None
General Description: Industrial water treatment product
SDS Identification Code: 1001-073014
Revision Date: 05/04/2015
24 hour Emergency Response: ChemTel 1-800-255-3924

NFPA Rating	
Health	2
Fire	1
Reactivity	0

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

Recommended Use: Organic deposit penetrant, dispersant, remover and corrosion inhibitor

II. HAZARD IDENTIFICATION

Hazard Classification: Skin irritation, category 2
Eye irritation, category 2

Signal Word: Warning
Hazard Statement(s):
H315: Causes skin irritation
H319: Causes serious eye irritation

Pictograms of related hazards:

Precautionary Statements:
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P321: Specific treatment (see First Aid Measures on Safety Data Sheet)
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
Description of other Hazards: Not available

III. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	Approximate Wt.

Alkylamide hydrolysate	Proprietary	15
Water	7732-18-5	85

* Chemical Identity and/or exact percentage of composition has been withheld as a trade secret.

IV. FIRST-AID MEASURES

Eye Contact: Immediately flush eyes with running water for at least 15 minutes. Seek medical attention if irritation develops or persists.

Skin Contact: Wash off with soap and water. Seek medical attention if irritation develops or persists.

Ingestion: If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

Inhalation: Move to fresh air. Seek medical advice if effects persist.

Note to Physicians: Not Available

V. FIRE-FIGHTING MEASURES

Extinguishing Media: To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical, or foam.

Fire and Explosion Hazards: The material will not burn until the water has evaporated. Residue can burn.

Hazardous products of combustion: Decomposes on heating emitting toxic fumes, including those of oxides of nitrogen, oxides of sulfur and oxides of carbon.

Fire Fighting Equipment: In the event of a fire, self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapors. May be a slipping hazard. Work up wind or increase ventilation. Contain / prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

Environmental Precautions: Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

Methods for clean-up:

Small Spill: Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

Large Spill: Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

VII. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Refer to “Exposure Controls/Personal Protection,” Section 8, of the MSDS.

Storage: Keep containers tightly closed when not in use. Do not store near food, foodstuff, drugs or potable water supplies. Storage must only be in original containers. If exposed to temperatures below freezing point (40° F, 5° C), assure product reaches 50° F, 10° C, prior to use. Gently agitate contents of container. Vigorous agitation is not required.

Note: Please Note: **Freezing will not harm product performance.** Simply bring to room temperature by storing at room temperature and allowing it to warm up. It is not recommended to heat or to put a heating device into contact with the liquid product.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

OSHA Permissible Exposure Limits (PELs):	Not Available
American Conference of Governmental Industrial Hygienists (ACGIH):	Not Available
Threshold Limit Values (TLVs):	Not Available
Other Exposure Limits:	Not Available

Engineering Controls: Natural ventilation should be adequate under normal use conditions. If inhalation risk exists: Use with local exhausts ventilation or while wearing suitable mist respirator. Keep containers closed when not in use. Maintain eye wash fountain and quick-drench facilities in work area.

Personal Protection:

Eye Protection: Use chemical safety glasses with side shields, goggles, or face shield are recommended.
Hand Protection: Wear protective gloves
Skin Protection: Wear clean body-covering clothing or apron
Respiratory Protection: Mist respirator as needed

IX. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Test Used (if applicable)
Appearance:	Clear to slightly hazy liquid	
Odor:	Vinegar-like	
pH(neat):	6	
Specific Gravity:	1.00 g/mL	
Relative Density:	8.31 lb/gallon	
Melting/Freezing Point:	< 35°F	
Initial Boiling Point and boiling range:	>100°C (>212°F)	
Flash Point:	Not available	
Solubility (water):	Complete	
Intrinsic Viscosity:	Not available	
Flammability (solid, gas):	Not available	
Upper/Lower flammability limits:	Not available	
Vapor Pressure:	Not available	

Vapor Density: Not available
Evaporation rate: Not available
Auto-ignition Temperature: Not available
Decomposition Temperature: Not available
Partition coefficient: n-octanol/water: Not available

Note: These physical properties are typical values for this product and not specifications.

X. STABILITY AND REACTIVITY

Reactivity Data: No specific data for this product

Chemical Stability:
Stability under normal conditions: Stable under ordinary conditions of use and storage.
Stabilizers needed: None needed

Other Information:
Conditions to avoid: Product can decompose at elevated temperatures.
Materials to avoid: Strong oxidizing and reducing agents, aldehydes, caustic materials
Hazardous reactions: Will not occur.
Hazardous decomposition products: Oxides of nitrogen, oxides of carbon

XI. TOXICOLOGICAL INFORMATION

Toxicity Studies: No toxicity studies have been conducted on this product.
Acute Toxicity: No LD50 data available for the product.
For the constituent: *Alkylamide hydrolysate:
Acute oral LD50 (rat): 5000 mg/kg
Acute dermal LD50 (rabbit): 2000 mg/kg
*Similar product tested
Skin Corrosion/Irritation: Not available
Serious Eye Damage/Irritation: Not available
Respiratory or Skin Sensitization: Not available
Germ Cell Mutagenicity: Not available
Carcinogenicity: Not available
Reproductive Toxicity: Not available
STOT-single exposure: Not available
STOT-repeated exposure: Not available
Aspiration Hazard: Not available

XII. ECOLOGICAL INFORMATION

Toxicity: No ecological studies have been conducted on this product.
Persistence and Degradability: The product is expected to be rapidly biodegradable.
Bioaccumulative Potential: The product is not expected to significantly bioaccumulate.
Mobility in Soil: NA
Other Adverse Effects: Not available

XIII. DISPOSAL CONSIDERATIONS

Recommended Disposal Containers: N/A

Recommended Disposal Methods: Consult local regulations regarding proper disposal as they may be more restrictive or otherwise different from Federal/International regulations.
Physical and Chemical Properties that Affect Disposal: N/A
Sewage Disposal: N/A
Special Precautions for Landfills or Incineration: N/A

XIV. TRANSPORT INFORMATION

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:

Transportation Mode: **DOT**
DOT Status: Non-Regulated
UN/ID Number:
Proper Shipping Name:
Technical Name:
Hazard Class (subclass):
Packing Group:

Transportation Mode: **IATA/ICAO**
IATA/ICAO Status: Non-Regulated
UN/ID Number:
Proper Shipping Name:
Technical Name:
Hazard Class (subclass):
Packing Group:

Transportation Mode: **IMDG**
IMDG Status: Non-Regulated
UN/ID Number:
Proper Shipping Name:
Technical Name:
Hazard Class (subclass):
Packing Group:

Other Information:
Harmonized Tariff Number: Not available
Flash Point: Not available
RQ lbs: Not available
RQ Component(s): Not available

XV. REGULATORY INFORMATION

US Federal Regulations:

OSHA Hazard Communication Status: Hazardous

TSCA: The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA: EPA Hazardous Substances (40 CFR 302):

Chemical Name	CERCLA Reportable Quantity (RQ)

None

SARA TITLE III (Sections 302, 311, 312, and 313):

Section 302 Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS#	RQ	TPQ
None			

Section 311 and 312 Health and Physical Hazards:

Immediate	Delayed	Fire	Pressure	Reactivity
yes	no	no	no	no

Section 313 Toxic Chemicals (40 CFR 372):

Chemical Name	CAS Number	Percent by Weight
None		

US State Regulations:
California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

There are no known additional requirements necessary for compliance with State Right to Know Regulations.

International Inventories:
Inventory name:

Country(s) or region Inventory name:	On inventory (yes/no)
Canada Domestic Substances List (DSL):	Yes
Canada Non-Domestic Substances List (NDSL):	No

XVI. OTHER INFORMATION

Revision Date:	05/04/2015
Revision Number:	1
Reason for revision:	NEW

NOTICE: The information accumulated herein is believed to be accurate based on the information provided, although no guarantee or warranty, either expressed or implied is made as to the accuracy or completeness of this information, whether originating with this company or not. Recipients are advised to confirm in advance of need that the information is correct, applicable and suitable to their circumstances. The conditions or methods of handling, storage, use and disposal of the product and container are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage or use of this information or product. If the product is used as a component in another product, this information may not be applicable.