

MATERIAL SAFETY DATA SHEET (KRUSTY)

SECTION 1)

CHEMICAL NAME: Biodegradable surfactant, sapogenin glycosides, and hydrolyzed fermentation protein

ACTIVE INGREDIENT: 1% nitrogen and 1% Saponins

PRODUCT NAME: **KRUSTY**

PRODUCT CLASS: BIODEGRADABLE SURFACTANT

PRECAUTION: AVOID CONTACT WITH EYES, SKIN AND CLOTHING

FORMULATED BY: AGSCITECH INC.

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LOGAN, UT 84321

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SECTION 2) HAZARDOUS INGREDIENTS: NONE

Hazardous Ingredients: (Specific Chemical Identity; OSHA PEL ACGIH TLV C

common name	C.A.S. / N.A. / UN No.	%	LD ₅₀
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Urea

SECTION 3) PHYSICAL/CHEMICAL DATA

Physical State:

Odor and Appearance:

LIQUID

Dark Brown liquid with no offensive odor

Odor Threshold: **NA**

Specific Gravity: **1.1**

Vapor Pressure: **ND**

Vapor Density: **ND**

Evaporation Rate: **ND**

Boiling Point: **NA**

Freezing Point: **NA**

Density: **ND**

pH: (10% SOLUTION) **5.50+/- 0.5**

SECTION 4) FIRE AND EXPLOSION HAZARD

Flammability: **NON-FLAMMABLE**

Means of Extinction:

USE FLOODING QUANTITIES OF WATER. DO NOT USE WATER JET. WEAR FULL PROTECTIVE CLOTHING IF PRODUCT IS INVOLVED IN A FIRE.

Flashpoint: **NA**

UEL: **NA**

LEL: **NA**

Auto-ignition Temperature:

TDG Flammability Class:

ND

NON-FLAMMABLE

Hazardous Combustion Products:

N/A

SECTION 5) REACTIVITY DATA

Chemical Stability: **STABLE**

Incompatibility: **Strong Acid and Strong Bases**

Conditions of Reactivity: **N/A**

Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide, carbon monoxide

SECTION 6) HEALTH HAZARD DATA

TOXICOLOGICAL PROPERTIES

Route of Entry:

Effects of Acute or Chronic Exposure:

SKIN CONTACT - IRRITATION COULD OCCUR WITH PROLONGED EXPOSURE TO DRY MATERIAL OR SOLUTION.

SKIN ABSORPTION - NOT KNOWN TO BE ABSORBED THROUGH THE SKIN.

EYE CONTACT - IRRITATION COULD OCCUR IF SOLUTION IS SPLASHED IN EYES.

INHALATION - VERY LOW VAPOR ACTIVITY. IF HEATED COULD RELEASE AMMONIA GAS. CAN CAUSE RESPIRATORY TRACT IRRITATION.

INGESTION - EXCESSIVE INGESTION MUST OCCUR BEFORE ANY HEALTH HAZARD RESULTS.

EFFECTS OF OVEREXPOSURE MAY INCLUDE NAUSEA, VOMITING, DIARRHEA, WEAKNESS OR CONVULSIONS.

Exposure Limits:

Synergistic Products:

ND

ND

Sensitization / Irritancy:

ND

Carcinogenicity / Teratogenicity / Mutagenicity / Reproductive Effects:

NONE KNOWN

SECTION 7) PRECAUTION FOR SAFE HANDLING AND USE

Personal Protective Equipment:

RESPIRATORY - RESPIRATORY PROTECTION: NIOSH/MSHA APPROVED FOR MISTS WHILE MIXING OR SPRAYING. USE WITH ADEQUATE VENTILATION.

EYES - WEAR SAFETY GLASSES TO AVOID EYE CONTACT. DO NOT WEAR CONTACT LENSES.

GLOVES - WEAR IMPERMEABLE GLOVES TO AVOID SKIN CONTACT.

Engineering Controls:

VENTILATE.

Leak or Spill Procedure:

CONTAIN THE SPILL. COLLECT LIQUID OR SOLIDIFY WITH ABSORBENT MATERIAL AND DISPOSE OF IN APPROVED MANNER. PREVENT ENTRY INTO WATERWAYS.

Disposal:

DISPOSE OF IN NON CROP AREAS AWAY FROM WATERWAYS, IN ACCORDANCE WITH FEDERAL AND LOCAL REGULATIONS.

Handling Procedures and Equipment:

AVOID DIRECT AND PROLONGED CONTACT WITH SKIN.

Storage Requirements:

KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL, DRY PLACE.

Shipping Information:

NOT REGULATED.

SECTION 8: FIRST AID MEASURES:

SKIN - WASH WITH SOAP AND WATER. FLUSH AFFECTED AREAS WITH LARGE AMOUNT OF COLD WATER.

EYES - FLUSH IMMEDIATELY WITH LARGE AMOUNT OF WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. SEEK ATTENTION IF IRRITATION PERSISTS.

INHALATION - NOT EXPECTED TO BE HARMFUL UNDER NORMAL CONDITIONS OF USE, HOWEVER IF ALLOWED TO BECOME AIRBORNE MAY CAUSE IRRITATION OF NOSE, THROAT AND LUNGS.

INGESTION - FOR LARGE AMOUNTS SEEK MEDICAL ATTENTION IMMEDIATELY.

SECTION 9: ADDITIONAL INFORMATION:

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TECHNICAL

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