

SAFETY DATA SHEET

I. PRODUCT AND COMPANY INFORMATION



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Revision Date: 1/23/2020

^[1a,b] TRADE NAME(s)	AcuWet® HB Surfactant	^[1c] CHEMICAL FAMILY/ APPLICATION/ RESTRICTIONS	Chemical Mixture
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II. HAZARDOUS IDENTIFICATION

^[2A] **GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**
Eye Irritation, Category 2B
Skin Irritation, Category 2
Acute toxicity, inhalation Category 5

^[2B] LABELING ELEMENTS, Hazard, and Precautionary Statements

Signal word: Warning Pictogram(s):



Hazard statement(s):

H315 Causes skin irritation
 H320 Causes eye irritation
 H333 May be harmful if inhaled

Precautionary statement(s)

P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P362 Take off contaminated clothing and wash before reuse.
 P302+P352 IF ON SKIN: wash with plenty of soap and water.
 P332+P313 IF SKIN irritation occurs: Get medical advice/attention.

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.

P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

[2C] **HAZARDS NOT OTHERWISE CLASSIFIED:** none known

[2D] **INGREDIENTS OF UNKNOWN ACUTE TOXICITY >= 1%:**

III. COMPOSITION / INFORMATION ON INGREDIENT(S)

[3a,b,d] CHEMICAL NAME/SYNONYMS	[3C] CAS NUMBER	EINECS NO.	CONC.*
Proprietary Active Blend*	n/a	n/a	16 - 17%
Water	7732-18-5	231-791-2	83 - 84 %

* The specific chemical identity and/or percentage of this material has been withheld as a trade secret.

IV. FIRST AID MEASURES

[4a] INHALATION	Move to fresh air. Oxygen or artificial respiration if needed. Symptoms may be delayed. Call a physician immediately.
[4a] SKIN CONTACT	Wash off with soap and plenty of water. Consult a physician.
[4a] EYE CONTACT	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
[4a] INGESTION	Call a physician or poison control centre immediately. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
[4b] MOST IMPORTANT SYMPTOMS & EFFECTS	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
[4c] INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED	no data available

V. FIREFIGHTING MEASURES

[5a] SUITABLE/ UNSUITABLE EXTINGUISHING MEDIA	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
[5b] SPECIFIC HAZARDS IE HAZARDOUS	Burning may form Carbon oxides. Use water spray to cool unopened containers.

COMBUSTION PRODUCTS	
^[5c] PRECAUTIONS / SPECIAL PROTECTIVE EQUIPMENT	Wear self contained breathing apparatus for fire fighting if necessary.

VI. ACCIDENTAL RELEASE MEASURES

^[6a] PERSON PRECAUTIONS, PPE, EMERGENCY PROCEDURES	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
^[6a] METHODS & MATERIALS OF CONTAINMENT & CLEANING	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Prevent material from entering storm sewers or waterways.

VII. HANDLING AND STORAGE

^[7a] PRECAUTIONS FOR SAFE HANDLING	Handle in accordance with good chemical handling practices. Avoid contact with skin, eyes, and clothing. Avoid inhalation of vapour or mist. Avoid formation of respirable particles. To avoid thermal decomposition, do not overheat. Thermal decomposition can lead to release of irritating gasses and vapors.
^[7b] CONDITIONS FOR SAFE STORAGE	Keep tightly closed in a dry, cool and well-ventilated place.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

^[8a] COMPONENT	PEL/ TWA/ STEL	CONTROL PARAMETERS	BASIS (ACGIH, OSHA ETC)	NOTES
1,4-Dioxane (<0.02% of formula)	PEL/ TWA	100 ppm	OSHA, TWA 8 hr	
1,4-Dioxane (<0.02% of formula)	TWA	20 ppm	ACGIH TLV	

^[8b] VENTILATION / ENGINEERING CONTROLS	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
^[8c] RESPIRATORY PROTECTION	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air

	respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
[8c] SKIN PROTECTION	Wear appropriate protective gloves to prevent skin exposure. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
[8c] EYE PROTECTION	Wear appropriate protective eyeglasses or chemical safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
[8c] CLOTHING	Wear appropriate protective clothing to prevent skin exposure.

IX. PHYSICAL AND CHEMICAL PROPERTIES

[9a] Appearance (physical state, color, etc.	Liquid, Clear Colorless	[9j] Upper/lower flammability or explosive limits:	No data available
[9b] Odor	No data available	[9k] Vapor pressure	No data available
[9c] Odor threshold	No data available	[9l] Vapor density	No data available
[9d] pH	No data available	[9m] Relative Density	No data available
[9e] Melting point/freezing point	No data available	[9n] Solubility (in H₂O)	miscible
[9f] Initial boiling point and boiling range	No data available	[9o] Partition coefficient: n-octanol/water	log Pow: No data available
[9g] Flash point	No data available	[9p] Auto-ignition temperature	No data available
[9h] Evaporation rate	No data available	[9q] Decomposition temperature	No data available
[9i] Flammability (solid, gas)	No data available	[9r] Viscosity	No data available

X. STABILITY AND REACTIVITY

[10a] REACTIVITY	No data available
[10b] CHEMICAL STABILITY	Stable under recommended storage conditions..
[10c] POSSIBILITIES OF HAZARDOUS REACTIONS	none known
[10d] CONDITIONS TO AVOID	incompatible materials
[10e] INCOMPATIBLE MATERIALS	Water reactive substances
[10f] HAZARDOUS DECOMPOSITION PRODUCTS	Other decomposition products - no data available In the event of fire: see section 5

XI. TOXICOLOGY INFORMATION

<p>^[11a] LIKELY ROUTES OF EXPOSURE</p>	<p>INHALATION: is not expected if proper ventilation or personal protective equipment is used while working with this product INGESTION: Ingestion is not expected if proper industrial hygiene practices are followed, including no eating, drinking, or smoking while working with chemicals SKIN: is not expected if proper personal protective equipment (gloves and protective clothing) is used while working with this product EYE CONTACT: is not expected if proper personal protective equipment (safety glasses or goggles) is used while working with this product</p>
<p>^[11b] SYMPTOMS RELATED TO PHYSICAL, CHEMICAL & TOXIC CHARACTERISTICS</p>	<p>INHALATION: No data available INGESTION: No data available SKIN: Serious eye damage/eye irritation: No data available EYE CONTACT: No data available</p>
<p>^[11d] DELAYED / IMMEDIATE EFFECTS, CHRONIC EFFECTS FROM SHORT/LONG TERM EXPOSURE</p>	<p>Reproductive toxicity: no data available Specific target organ toxicity - No data available Specific target organ toxicity - repeated exposure: No data available Aspiration hazard: no data available</p>
<p>^[11D] NUMERICAL MEASURES OF TOXICITY</p>	<p>ACUTE TOXICITY ESTIMATES: none known Acute toxicity LD50 Oral - rat - LC50 Inhalation - rat - 8 h - LD50 Dermal - rabbit - 1</p>
<p>^[11e] CARCINOGENICITY</p>	<p>Carcinogenicity: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH,NTP, or EPA classification. IARC: 3 - No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</p>

XII. ECOLOGICAL INFORMATION

<p>^[12a] ECOTOXICITY</p>	<p>Toxicity to fish LC50 - No data available Toxicity to daphnia and other aquatic invertebrates: No data available Toxicity to algae EC50 - No data available</p>
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^[12b] PERSISTENCE AND DEGRADABILITY	No data available
^[12c] BIOACCUMULATIVE POTENTIAL	No data available
^[12d] MOBILITY IN SOIL	No data available
^[12e] OTHER ADVERSE EFFECTS (OZONE LAYER ETC.)	No data available

XIII. DISPOSAL CONSIDERATIONS

^[13]Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging
 Contaminated Packaging Disposal:

XIV. TRANSPORTATION INFORMATION

^[14a] UN/NA	^[14b] UN/NA PROPER SHIPPING NAME	^[14ca] TRANSPORT HAZARD CLASS	^[14d] PACKING GROUP

US DOT/IATA	Not dangerous goods
^[14d] ENVIRONMENTAL HAZARDS	Not dangerous goods
^[14f] BULK TRANSPORT (MARPOL 73/78/IBC CODE)	IMDG: Not dangerous goods
^[14g] SPECIAL PRECAUTIONS	none known

XV. REGULATORY INFORMATION

US

TSCA	The components in this mixture are listed on the US inventory. This material contains one or more substances which are subject of a TSCA Section 5 Consent Order or Significant New Use Rule (SNUR). This material contains one or more substances which requires export notification under TSCA Section 12(b) and 40 CFR Part 707 Subpart D: Partially fluorinated alcohol substituted glycol
OSHA	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard.
SARA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
The following components are subject to reporting levels established by SARA Title III, Section 313	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Sara 311/312 Hazards	No SARA Hazards
Massachusetts Right To Know Components	No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right To Know Components	Water CAS-No. 7732-18-5, Special Hazardous Substances \geq 0.01%: 1,4 Dioxane CAS-No 123-91-1 present at <0.02%
New Jersey Right To Know Components	Water CAS-No. 7732-18-5
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

XVI. OTHER INFORMATION

Revision Date: 06/15/2018 Updated emergency contact and trademarks
10/29/15 V 2.0 corrected percentages

INFORMATION CONTAINED IN THIS SAFETY DATA SHEET IS FOR USE BY TECHNICALLY QUALIFIED PERSONNEL AT THEIR DISCRETION AND RISK. ALL STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON TESTS AND DATA WHICH WE BELIEVE TO BE RELIABLE, BUT THE ACCURACY OR COMPLETENESS THEREOF IS NOT GUARANTEED AND NO WARRANT OF ANY KIND IS MADE WITH RESPECT THERETO. SINCE THE COMPANY SHALL HAVE NO CONTROL OF THE USE OF THE PRODUCT DESCRIBED HEREIN, THE COMPANY ASSUMES NO LIABILITY OF LOSS OR DAMAGE INCURRED FROM THE PROPER OR IMPROPER USE OF SUCH PRODUCT.

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