

SAFETY DATA SHEET

GLACIER POWER SUDS

SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME : Glacier Power Suds
SYNOMYS : Duchess Plus
PRODUCT USE : Very Mild Alkaline Material
SUPPLIER : United Formulas
SUPPLIER'S ADDRESS : 601 6th St SW Unit 5, Great Falls, MT 59404
(406) 727-4144
EMERGENCY RESPONSE PHONE NUMBER : Infotrac: 1 800-535-5053

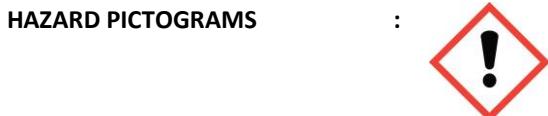


SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS U.S. – CLASSIFICATION : H302 Harmful if swallowed.
 : H315 Causes skin irritation
 : H319 Causes serious eye irritation

LABEL ELEMENTS : **GHS – US HAZARD PICTOGRAMS** The product is classified and labeled according to the Globally Harmonized System (GHS).



SIGNAL WORD : WARNING

HAZARD STATEMENTS (GHS-US) : Not established

: H302 Harmful if swallowed.
 : H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS (GHS-US) : P101 If medical advice is needed, have product container or label at hand.

: P102 Keep out of reach of children.
 : P103 Read label before use.
 : P270 Do not eat, drink, or smoke when using this product.
 : P301+ IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 : P312
 : P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 : P305+351+ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 : P338
 : P337+P313 If eye irritation persists: Get medical advice/attention.
 : P501 Dispose of contents/container in accordance with local/regional/national/international regulations

OSHA HAZARDS : Not applicable

TARGET ORGANS : Not applicable

CLASSIFICATION SYSTEM : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.

NFPA RATINGS (SCALE 0-4) : Health = 1, Fire = 0, Reactivity = 0

HMIS RATINGS (SCALE 0-5) : Health = 1, Fire = 0, Reactivity = 0

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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CHEMICAL CHARACTERISTIC : Mixtures
DESCRIPTION : Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Sodium Dodecylbenzene Sulfonate	10-20	25155-30-0	246-680-4	Skin Irrit Cat 4, Eye Dam Cat 2 Acute Tox Cat 4, STOT SE Cat 3
Alcohols Ethoxylated	1-5	68439-46-3	Not Found	Eye Irrit Cat 2B
Sodium laureth sulfate	1-5	9004-82-4	221-416-0	Flam Liq Cat 3, Skin Irrit Cat 2 Eye Dam Cat 1, Acute Aquatic Tox Cat 2 Chronic Aquatic Tox Cat 3
Cocamidopropylamine Oxide	1-5	68155-09-9	268-938-5	Eye Irrit Cat 2A, Acute Aquatic Tox Cat 2, Chronic Aquatic Tox Cat 3
Cocamide Diethanolamine	1-5	68603-42-9	271-657-0	Skin Irrit Cat 2, Eye Irrit Cat 2B

Corr. = Corrosion, Dam. = Damage, Tox = Toxic, Irrit = Irritation, Cat = Category, Tox = Toxic, STOT-SE = Specific Target Organ Toxicity – Single Exposure.

SECTION 4 – FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

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| GENERAL | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label where possible. |
| EYE CONTACT | : Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation persists, get immediate medical attention. |
| SKIN CONTACT | : Remove contaminated clothing and shoes. Rinse affected skin area with water. If irritation persists, get immediate medical attention. |
| SWALLOWING (INGESTION) | : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious person. Get immediate medical attention. |
| INHALATION | : Not an inhalation hazard. Remove to fresh air. |
| OTHER INSTRUCTIONS | : Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively. |

SECTION 5 – FIRE FIGHTING MEASURES

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| EXTINGUISHING MEDIA | : Dry chemical, foam, water, or carbon dioxide. |
| SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS | : In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCUBA) and full protective clothing. Evacuate all non-essential personnel from the danger area. |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | : No further relevant information is available. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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| PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES | : Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. |
| ENVIRONMENTAL PROCEDURES | : Keep spilled material away from sewage/drainage systems and waterways. |
| METHODS AND MATERIALS | : All clean-up personnel must be properly trained. Confine the spill and remove |

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incompatible materials and ignition sources. Secure the source of the leak if conditions are safe. Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING CONDITIONS FOR SAFE STORAGE

- : Wear proper protective equipment. Do not mix with water or acids without proper dilution and agitation to prevent a potentially violent reaction.
- : Store in closed, properly labeled containers. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.



SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- TLV (THRESHOLD LIMIT VALUE)** : The TLV in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	OSHA PEL – TWA	ACGIH – TLV	ACGIH – STEL
Sodium Dodecylbenzene Sulfonate	Not Established	Not Established	Not Established
Alcohols Ethoxylated	Not Established	Not Established	Not Established
Sodium laureth sulfate	Not Established	Not Established	Not Established
Cocamidopropylamine Oxide	Not Established	Not Established	Not Established
Coconut Diethanolamide	Not Established	Not Established	Not Established

- EYE PROTECTION** : Wear chemical splash goggles safety glasses.
- SKIN PROTECTION** : Minimize contact with product.
- RESPIRATORY PROTECTION** : Respiratory protection is not required for this product.
- VENTILATION** : Ensure adequate ventilation.
- ADDITIONAL MEASURES** : Emergency eyewash and safety shower facilities should be available in the immediate work area.
- REQUIRED WORK/HYGIENE** : Rinse hands thoroughly after handling. Keep away from all food stuffs, beverages, and feed. Do not eat, drink, or smoke in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Clear blue viscous liquid with mild odor
- ODOR** : Mild odor
- ODOR THRESHOLD** : Not available
- PH** : 9.0 - 9.6 AS IS
- MELTING POINT/FREEZING POINT** : Not available
- BOILING POINT** : Approx. 212° F.
- FLASH POINT** : Nonflammable, Noncombustible
- EVAPORATION RATE** : Not available
- FLAMMABILITY** : Nonflammable, Noncombustible
- LOWER FLAMMABILITY LIMIT** : Not available
- UPPER FLAMMABILITY LIMIT** : Not available

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VAPOR PRESSURE	:	Not available
VAPOR DENSITY (AIR=1)	:	Not available
RELATIVE DENSITY	:	1.03
SOLUBILITY IN WATER	:	Soluble in water
PARTITION COEFFICIENT n-	:	Not available
OCTANOL/WATER	:	
AUTOIGNITION TEMPERATURE	:	Not available
DECOMPOSITION	:	Not available
TEMPERATURE	:	

SECTION 10 – STABILITY AND REACTIVITY

STABILITY	:	Stable under recommended storage conditions.
HAZARDOUS CONDITIONS TO AVOID	:	No decomposition if used according to specifications
INCOMPATIBLE MATERIALS	:	Keep away from strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS	:	No dangerous decomposition products known.

SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION	:	Sodium Dodecylbenzene Sulfonate
ACUTE TOXICITY	:	LD50 Oral rat: 438 mg/kg.
INHALATION TOXICITY	:	No data available
DERMAL TOXICITY	:	No data available
SKIN CORROSION/IRRITATION	:	Skin – rabbit Result: Skin irritation - 24 h
SERIOUS EYE	:	Eyes – rabbit Result: Severe eye irritation - 24 h
DAMAGE/IRRITATION	:	
RESPIRATORY/SKIN	:	No data available
SENSITISATION	:	
GERM CELL MUTAGENICITY	:	No data available
CARCINOGENICITY	:	No components of this product present at levels greater than or equal to 0.1% are identified as probable, possible, or confirmed human carcinogen by IARC ACGIH, NTP or OSHA.
TOXICOLOGICAL INFORMATION	:	Alcohols Ethoxylated
ACUTE TOXICITY	:	LD50 Oral (rat): 1,378 mg/kg,
INHALATION LC50	:	No data available.
DERMAL LD50	:	LD50 Dermal (rat): > 5,000 mg/kg.
PRIMARY SKIN IRRITATION	:	(Rabbit) Moderate to severely irritating.
PRIMARY EYE IRRITATION	:	(Rabbit) Severely irritating.
TOXICOLOGICAL INFORMATION	:	Sodium Laureth sulfate
ACUTE TOXICITY	:	Not available.
FURTHER INFORMATION	:	Not available.
TOXICOLOGICAL INFORMATION	:	Cocamidopropylamine Oxide
ACUTE TOXICITY	:	LD50 Oral (rat): 500-5000 mg/kg.
FURTHER INFORMATION	:	Not available.
TOXICOLOGICAL INFORMATION	:	Cocamide Diethanolamine
ACUTE TOXICITY	:	LD50 Oral (rat): > 5,000 mg/kg, LD50 Dermal (rabbit): > 2000 mg/kg.
ACUTE EFFECTS	:	May be harmful in contact with skin.

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CHRONIC EFFECTS	: Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. May cause damage to organs through prolonged or repeated exposure.
SYMPTOMS AND TARGET ORGANS	: Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	: Sodium Dodecylbenzene Sulfonate
TOXICITY TO FISH	: Mortality NOEC - Oncorhynchus kisutch - 3.1 mg/l - 3 d Mortality LOEC - Oncorhynchus kisutch - 5.6 mg/l - 3 d LC50 - Oncorhynchus mykiss (rainbow trout) - 3.2 - 5.6 mg/l - 96 h
ECOLOGICAL INFORMATION	: Alcohols Ethoxylated
ECOTOXICITY	: LC50 Rainbow Trout: 1-10 mg/l, 96hr. Value estimated from tests on similar products. LC50 Fathead Minow: 6 mg/l, 96hr. Value estimated from tests on similar products.
Biodegradability	: Readily biodegradable.
PERSISTENCE AND DEGRADABILITY	: No data available.
BIOACCUMULATIVE POTENTIAL	: No data available.
ECOLOGICAL INFORMATION	: Sodium laureth sulfate
ECOTOXICITY	: Not available.
PERSISTENCE & DEGRADABILITY	: Not available.
BIOACCUMULATIVE POTENTIAL	: Not available.
ECOLOGICAL INFORMATION	: Cocamidopropylamine Oxide
ECOTOXICITY	: Not available.
PERSISTENCE AND DEGRADABILITY	: Not available.
BIOACCUMULATIVE POTENTIAL	: Not available.
ECOLOGICAL INFORMATION	: Coconut Diethanolamide
ACUTE TOXICITY	: LC50 Algae: < 10 mg/l 72 hours, LC50 Daphnia: < 10 mg/l 48 hours, LC50 Fish: < 10 mg/l 96 hours
PERSISTENCE & DEGRADABILITY	: Readily biodegradable
BIOACCUMULATIVE POTENTIAL	: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	: This product must be disposed of in accordance with Federal, state, and local environmental regulations.
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SECTION 14 – TRANSPORTATION INFORMATION

DOT/IMDG/ IATA PROPER SHIPPING NAME	: Not Hazardous
HAZARD CLASS AND LABEL	: Not Applicable.
UN NUMBER	: Not Applicable.
PACKAGING GROUP	: Not Applicable.
EPA REPORTABLE QUANTITY (RQ)	: Not Applicable.

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MARINE POLLUTANT : Not listed.
EMERGENCY RESPONSE GUIDE : Not Applicable.

SECTION 15 – REGULATORY INFORMATION

U.N. GHS CLASSIFICATION & LABELING INFORMATION: See Section 2 for GHS Hazard Information.

U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN : Not listed.
TSCA STATUS : The ingredients of this product are listed in TSCA inventory (40CFR 710.)
SARA SECTION 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA SECTION 312 : Not applicable.
SARA 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.
NFPA HEALTH : 1
NFPA FLAMMABILITY : 0
NFPA REACTIVITY : 0

CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY : Not regulated
DOMESTIC SUBSTANCES LIST (DSL) : Listed
INGREDIENT DISCLOSURE LIST : Listed

SECTION 16 – OTHER INFORMATION

DISCLAIMER : The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. United Formulas assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act.
EINECS : European Inventory of Existing Commercial Chemical Substances
IMDG : International Maritime Code for Dangerous Goods
IARC : International Agency for Research on Cancer
IATA : International Air Transportation Association
ACGIH : American Conference of Governmental Industrial Hygienists
NFPA : National Fire Protection Association (USA)
NTP : National Toxicology Program
SARA : Superfund Amendments and Reauthorization Act
TSCA : Toxic Substances Control Act
HMIS : Hazardous Materials Identification System (USA)
WHMIS : Workplace Hazardous Materials Information System
LC50 : Lethal concentration, 50 percent
LD50 : Lethal dose, 50 percent
STOT : Systemic Target Organ Toxicity
DATE PREPARED : JAN 12, 2018
DATE REVISED : SEP 23, 2025