

Safety Data Sheet**Pan Power****SECTION 1- PRODUCT IDENTIFICATION**

PRODUCT NAME : Pan Power
SYNOMYS : POT & PAN PLUS
PRODUCT USE : Moderately Alkaline Material
SUPPLIER : United Formulas
SUPPLIER'S ADDRESS : 601 6th St SW Unit 5, Great Falls, MT 59404
(406) 727-4144
EMERGENCY RESPONSE : Infotrac: 1-800-535-5053
PHONE NUMBER

**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).

HAZARD PICTOGRAMS :

SIGNAL WORD : WARNING

HAZARD STATEMENTS (GHS-US) : H302 Harmful if swallowed.
 : H315 Causes skin irritation.
 : 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.
 : P264 Wash skin and contaminated clothing thoroughly after handling.
 : P270 Do not eat, drink, or smoke when using this product.
 : P280 Wear suitable protective gloves / protective clothing / eye protection / face protection.
 : 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+ P352 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P338
 : P332+P313 If skin irritation occurs: Get medical advice/attention.
 : P337+P313 If eye irritation persists: Get medical advice/attention.
 : P501 Dispose of contents/container in accordance with local/regional/national/international regulations

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

NFPA RATINGS (SCALE 0-4) : Health = 2, Fire = 0, Reactivity = 0

HMIS RATINGS (SCALE 0-5) : Health = 2, Fire = 0, Reactivity = 0

Safety Data Sheet**Pan Power****SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

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

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Sodium Hydroxide	0.1-1	1310-73-2	215-185-5	Metal Corrosion Cat 1 Skin Corrosion Cat. 1A, Eye Damage Cat. 1 Acute Aquatic Cat 3
Alkyl omega-hydroxypoly (oxyethylene) sulfate, sodium salt	1-5	68585-34-2	209-553-4	Skin Irritant Cat, Eye Damage Cat 1 Flammable Liquid Cat 3, STOT-SE Cat 3 (Resp)
Sodium Dodecylbenzene Sulfonic Acid	5-10	27176-87-0	204-489-3	Skin Corrosion Cat 1C, Eye Damage Cat 1, Acute Toxic Oral Cat 4
Nonylphenol, Ethoxylate	1-5	127087-87-0	500-315-8	Eye Damage Cat 1, Aquatic Hazard (Long Term) Cat 3
Coconut Diethanolamide	1-5	68603-42-9	271-657-0	Skin Irritant Cat 2, Eye Irritant Cat 2B
Ethylenediamine Tetraacetate Na salt	< 0.1	64-02-8	200-573-9	Skin Irritant Cat 2, Eye Damage Cat 2A
Cocoamidopropyl Betaine	0.1-1	61789-40-0	263-058-8	Eye Irritant Cat 2B

Cat = Category, STOT = Specific Target Organ Toxicity-Single Exposure. Note: Sodium Hydroxide is neutralized to non-hazardous pH by the Sodium Dodecylbenzene Sulfonic Acid.

SECTION 4 – FIRST AID MEASURES**DESCRIPTION OF FIRST AID MEASURES**

- 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 the 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. Wash affected skin area with soap and 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 the airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious person. Get immediate medical attention.
- INHALATION** : Remove to fresh air. Get immediate medical attention.
- 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

- 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

Safety Data Sheet

Pan Power

- PERSONAL PRECAUTIONS,
PROTECTIVE EQUIPMENT &
EMERGENCY PROCEDURES**
- : Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.
- ENVIRONMENTAL PROCEDURES**
- : Keep spilled material away from sewage/drainage systems and waterways.
- METHODS AND MATERIALS
FOR CONTAINMENT AND
CLEAN-UP**
- : All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Neutralize spill and collect using an appropriate absorbent material such as clay or vermiculite. 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**
- : Use with adequate ventilation. Wear proper protective equipment. Do not mix with water or acids without proper dilution and agitation to prevent a potentially violent reaction.
- CONDITIONS FOR SAFE
STORAGE**
- : 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 Hydroxide	2 mg/m ³ (Ceiling)	2mg/m ³	2mg/m ³ (Ceiling)
Alkyl omega-hydroxypoly (oxyethylene) sulfate, sodium salt	Not Established	Not Established	Not Established
Sodium Dodecylbenzene Sulfonic Acid	1 mg/m ³	1 mg/m ³	Not Established
Nonylphenol, Ethoxylate	Not Established	Not Established	Not Established
Coconut Diethanolamide	Not Established	Not Established	Not Established
Ethylenediamine Tetraacetate Na salt	Not Established	Not Established	Not Established
Cocoamidopropyl Betaine	Not Established	Not Established	Not Established

- EYE PROTECTION**
- : Wear chemical splash goggles or face shield.
- SKIN PROTECTION**
- : Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.
- RESPIRATORY PROTECTION**
- : In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
- VENTILATION**
- : Ensure adequate ventilation.
- ADDITIONAL MEASURES**
- : Emergency eyewash and safety shower facilities should be available in the immediate work area.
- REQUIRED WORK/HYGIENE**
- : Wash hands thoroughly after handling. Keep away from all food stuff, beverages, and feed. Do not eat, drink or smoke in work area.

Safety Data Sheet**Pan Power****SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	:	Clear blue viscous liquid with pleasant odor.
ODOR	:	Mild odor
ODOR THRESHOLD	:	Not available
PH	:	10.0 ± 0.5 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
VAPOR PRESSURE	:	Not available
VAPOR DENSITY (AIR=1)	:	Not available
RELATIVE DENSITY	:	1.01
SOLUBILITY IN WATER	:	Soluble in water
PARTITION COEFFICIENT n-Octanol/Water	:	Not available
AUTOIGNITION TEMPERATURE	:	Not available
DECOMPOSITION TEMPERATURE	:	Not available

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 Hydroxide
ACUTE TOXICITY	:	LD/LC50 values: Sodium Hydroxide: Oral LD50 = 500 mg/kg (rat). LC50 dermal and inhalation: Not listed. LD50 values: Potassium Hydroxide: Oral (rat): 214 mg/kg. LC50 dermal and inhalation: Not listed
PRIMARY IRRITANT EFFECT:	:	
EYE CONTACT	:	Causes severe eye damage.
SKIN CONTACT	:	Causes skin burns. Onset of symptoms may be delayed following exposure.
INHALATION	:	Corrosive to respiratory tract.
INGESTION	:	May be harmful if swallowed. Ingestion may cause chemical burns, pain, vomiting, difficulty breathing and other gastrointestinal effects.
TOXICOLOGICAL INFORMATION	:	Alkyl omega-hydroxypoly (oxyethylene) sulfate, sodium salt
ACUTE TOXICITY	:	LD50 Oral (Rat): 1501 mg/kg, LC50 Inhalation (Rat): 124.7 mg/L, LD50 Dermal: Not Established.
EYES & SKIN IRRITATION	:	Eye and Skin irritant.
CHRONIC TOXICITY	:	No information available.
CARCINOGENICITY	:	Product is not listed.

Safety Data Sheet

Pan Power

TOXICOLOGICAL INFORMATION	:	Ethylenediamine Tetraacetate Na Salt
ACUTE TOXICITY	:	LD50 Oral (rat): 630 - 1,260 mg/kg,
INHALATION LC50	:	No data available
DERMAL LD50	:	No data available
OTHER INFORMATION ON ACUTE TOXICITY	:	No data available
TOXICOLOGICAL INFORMATION	:	Sodium Dodecylbenzene Sulfonic Acid
ROUTES OF ENTRY	:	Dermal contact. Eye contact. Inhalation. Ingestion.
ACUTE TOXICITY	:	LD50 Oral rat: 650 mg/kg.
CHRONIC EFFECTS ON HUMANS	:	Not available.
OTHER TOXIC EFFECTS ON HUMANS	:	Very hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant). Hazardous in case of skin contact (permeator). Slightly hazardous in case of skin contact (corrosive).
CARCINOGENICITY	:	Not available.
TOXICOLOGICAL INFORMATION	:	Nonylphenol Ethoxylate
ACUTE TOXICITY	:	LD50 Oral (rat): 16,000 mg/kg,
INHALATION LC50	:	No data available
DERMAL LD50	:	LD50 Dermal (rabbit): 4,490 mg/kg.
PRIMARY SKIN IRRITATION	:	Slight irritation.
PRIMARY EYE IRRITATION	:	No data available.
CARCINOGENICITY	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
TOXICOLOGICAL INFORMATION	:	Coconut Diethanolamide
ACUTE TOXICITY	:	LD50 Oral (rat): > 5,000 mg/kg, LD50 Dermal (rabbit): > 2000 mg/kg.
ACUTE EFFECTS	:	May be harmful in contact with skin.
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
TOXICOLOGICAL INFORMATION	:	Cocoamidopropyl Betaine
ACUTE TOXICITY	:	LD50 Oral (rat): 5000-15,000 mg/kg.
INHALATION LC50	:	No data available
DERMAL LD50	:	No data available
CARCINOGENICITY	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
MUTAGENICITY	:	Not mutagenic in AMES test.

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	:	Sodium Hydroxide
AQUATIC TOXICITY	:	No relevant information available.
PERSISTENCE AND DEGRADABILITY	:	No relevant information available.
BIOACCUMULATIVE POTENTIAL	:	No relevant information available.
NOTES	:	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted products or large quantities of this product to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized. Rinse off larger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms.

Safety Data Sheet

Pan Power

ECOLOGICAL INFORMATION	:	Alkyl omega-hydroxypoly (oxyethylene) sulfate, sodium salt
ECOTOXICITY EFFECTS	:	This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents
PERSISTENCE and DEGRADABILITY	:	Chemical is readily available.
BIOACCUMULATIVE POTENTIAL	:	No information available.
ECOLOGICAL INFORMATION	:	Ethylenediamine Tetraacetate Na Salt
ECOTOXICITY	:	No data available.
PERSISTENCE AND DEGRADABILITY	:	No data available.
BIOACCUMULATIVE POTENTIAL	:	No data available.
ECOLOGICAL INFORMATION	:	Sodium Dodecylbenzene Sulfonic Acid
ECOTOXICITY	:	Not available.
BOD5 AND COD	:	Not available.
PRODUCTS OF BIODEGRADATION	:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
TOXICITY OF THE PRODUCTS OF BIODEGRADATION	:	The products of degradation are more toxic.
SPECIAL REMARKS: PRODUCTS OF BIODEGRADATION	:	Not available.
ECOLOGICAL INFORMATION	:	Nonylphenol Ethoxylate
ECOTOXICITY	:	Not available.
PERSISTENCE AND DEGRADABILITY	:	No data available.
BIOACCUMULATIVE POTENTIAL	:	No data 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 AND DEGRADABILITY	:	Readily biodegradable
BIOACCUMULATIVE POTENTIAL	:	No data available.
ECOLOGICAL INFORMATION	:	Cocoamidopropyl Betaine
ECOTOXICITY	:	Not available
PERSISTENCE AND DEGRADABILITY	:	No data available
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. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.
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SECTION 14 – TRANSPORTATION INFORMATION

Safety Data Sheet

Pan Power

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.
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	:	Chronic health hazard (None).
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	:	2
NFPA FLAMMABILITY	:	0
NFPA REACTIVITY	:	0

CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY	:	D2B: Materials that cause other toxic effects (TOXIC).
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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.
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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

Safety Data Sheet**Pan Power**

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, 2022
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