

SAFETY DATA SHEET

WASH & WAX 406

SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME : WASH & WAX 406
SYNONYMS : Product is a mixture: No synonyms are available.
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 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).

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+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 : P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 : P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 : 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

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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
Tetrapotassium Pyrophosphate	0.1-1.0	7320-34-5	230-785-7	Eye Damage Cat 1, Acute Toxicity Oral Cat 4
Ethylenediamine Tetraacetate Na salt	0.1-1.0	64-02-8	200-573-9	Skin Irritant Cat 2, Eye Damage Cat 2A
Sodium Xylene Sulfonate	1-5	1300-72-7	215-090-9	Skin Irritant Cat 2, Eye Irritant Cat 2A
Nonylphenol Ethoxylate	10-20	127087-87-0	500-315-8	Eye Damage Cat 1, Aquatic Hazard (Long Term) Cat 3

Irrit = Irritation, Cor = Corrosive, Dam = Damage, Cat = Category, Tox = Toxic, STOT = Specific Target Organ Toxicity.

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

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.

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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
Tetrapotassium Pyrophosphate	Not Established	Not Established	Not Established
Ethylenediamine Tetraacetate	Not Established	Not Established	Not Established
Sodium Xylene Sulfonate	Not Established	Not Established	Not Established
Nonylphenol, Ethoxylate	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 stuffs, beverages, and feed. Do not eat, drink, or smoke in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Mostly Clear pink semi-viscous liquid with mild odor.

ODOR : Mild odor

ODOR THRESHOLD : Not available

PH : 7.0 - 8.0 AS IS

MELTING POINT/FREEZING POINT : Not available

BOILING POINT : Approx. 212° F.

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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	: 1.03
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	: Tetrapotassium Pyrophosphate
ACUTE TOXICITY	: Oral - rat LD50: > 2980 mg/kg; slightly toxic Dermal - rabbit LD50: > 7940 mg/kg; practically nontoxic Eye Irritation - rabbit: 11.1/110.0; moderately irritating Skin Irritation - rabbit: 0.5/8.0 (24-hr exposure); practically nonirritating.
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 Xylene Sulfonate
ROUTES OF ENTRY	: Absorbed through skin and/or eye contact.
ACUTE TOXICITY	: LD50 Oral (rat): 2500 mg/kg,
CHRONIC EFFECTS ON HUMANS	: Contains material which may cause damage to the following organs: liver
SPECIAL REMARKS ON TOXICITY TO ANIMALS	: TDL (rat): Route: skin; Dose: 3380 mg/kg/17D intermittent; Toxic effects: changes in liver weight TDL (rat): Route: skin; Dose: 35 gm/kg/14W intermittent; Toxic effects: dermatitis, other (skin and appendages). (Sodium Xylene Sulfonate).
TOXICOLOGICAL INFORMATION	: Nonylphenol, Ethoxylate
ACUTE TOXICITY	: LD50 Oral (rat): 3,989-5,000 mg/kg,
INHALATION LC50	: No data available.
DERMAL LD50	: LD50 Dermal (rabbit): 3,228-5,000 mg/kg.

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SENSITIZATION SKIN	: For this family of materials: Did not cause allergic skin reactions when tested in humans.
REPEATED DOSE TOXICITY	: For this family of materials: In animals, effects have been reported on the following organs: Heart.

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	: Tetrapotassium Pyrophosphate
ECOTOXICITY	: 48-hr EC50 Daphnia magna: > 100 mg/l, Practically Nontoxic 96-hr LC50 Mysid Shrimp > 100 mg/l, Practically Nontoxic 96-hr LC50 Rainbow trout: > 100 mg/l, Practically Nontoxic.
ENVIRONMENTAL FATE	: Phosphates: Inorganic phosphates, including this product, at high concentrations in the environment have the potential to cause eutrophication in aquatic systems. This condition is characterized by excessive algal growth, and subsequent decreases in oxygen levels. In general, proper use and disposal of this product should pose no adverse ecological risk.
ECOLOGICAL INFORMATION	: Ethylenediamine Tetraacetate Na Salt
ECOTOXICITY	: No data available.
PERSISTENCE AND DEGRADABILITY	: No data available.
BIOACCUMULATIVE POTENTIAL	: No data available.
ECOLOGICAL INFORMATION	: Sodium Xylene Sulfonate
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 product itself and its products of degradation are not toxic.
ECOLOGICAL INFORMATION	: Nonylphenol Ethoxylate
ECOTOXICITY	: For this family of materials: Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in most sensitive species tested).
FISH ACUTE AND PROLONGED TOXICITY	: For this family of materials: LC50, fathead minnow (Pimephales Promelas), 96 h: 1.6 - 24 mg/l
AQUATIC INVERTEBRATE ACUTE TOXICITY	: For this family of materials: LC50, water flea Daphnia magna, 48 h: 23.1 - 71.8 mg/L For this family of materials: EC50, water flea Daphnia magna, 48 h, immobilization: 23.1 mg/L.
PERSISTENCE AND DEGRADABILITY	: No data available for this family of materials: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

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

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



DOMESTIC SUBSTANCES LIST : Listed
 (DSL)
 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. MER-MAIDS PRODUCTS INC. 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

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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	:	MAR 1, 2018
DATE REVISED	:	SEP 24, 2025