

**SAFETY DATA SHEET  
MARKLENE**

**WM 4031, WM 4032  
WM 4033, WM 4035**

**SECTION 1- PRODUCT IDENTIFICATION**

**PRODUCT NAME** : MARKLENE  
**SYNONYMS** : Product is a mixture: No synonyms are available.  
**PRODUCT USE** : Moderately Alkaline Material  
**SUPPLIER** : WESMAR CO. INC.  
**SUPPLIER'S ADDRESS** : 5720 204<sup>TH</sup> ST SW, LYNNWOOD, WA 98036  
(206) 783-5344  
**EMERGENCY RESPONSE PHONE** : PERS: 1-800-633-8253



**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)** : Not established  
: 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 DESCRIPTION** : Mixtures  
: Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EINECS #	GHS CLASSIFICATION
Ethylenediamine Tetraacetate Na salt	5-10	64-02-8	200-573-9	Skin Irrit Cat 2, Eye Dam Cat 2A
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
Sodium Tolytriazole/Benzotriazole Mixture	0.1-1	64665-57-2 15217-42-2	Not Found	Skin Corr Cat 1, Eye Dam Cat 1 Acute Toxicity Cat 4

Irrit. = Irritation, Corr. = Corrosion, Cat. = Category, Dam = Damage, Tox = Toxic, STOT SE = Single Target Organ Toxicity Single exposure.

### 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 eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Get immediate medical attention.

**SKIN CONTACT** : Remove contaminated clothing and shoes. Wash affected skin area with soap and water. Delayed skin damage is possible if product is not completely washed off. 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** : 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.

**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

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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 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
Ethylenediamine Tetraacetate (EDTA)	Not Established	Not Established	Not Established
Sodium Dodecylbenzene Sulfonate BAF	Not Established	Not Established	Not Established
Sodium Tolytriazole/Benzotriazole Mixture	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** : Clear dark amber liquid with pleasant odor.
- ODOR** :
- ODOR THRESHOLD** : Not available
- PH** : 11.3 - 11.9 AS IS
- MELTING POINT/FREEZING POINT** : Not available
- BOILING POINT** : Approx. 212° F.
- FLASH POINT** : Non flammable, non combustible
- EVAPORATION RATE** : Not available
- FLAMMABILITY** : Non flammable-Non combustible
- LOWER FLAMMABILITY LIMIT** : Not available
- UPPER FLAMMABILITY LIMIT** : Not available
- VAPOR PRESSURE** : Not available
- VAPOR DENSITY (AIR=1)** : Not available
- RELATIVE DESNITY** : 1.07

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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 CONDITONS TO : No decomposition if used according to specifications  
AVOID  
INCOMPATIBLE MATERIALS : Keep away from strong acids.  
HAZARDOUS DECOMPOSITION : No dangerous decomposition products known.  
PRODUCTS

### SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION : **Ethylenediamine Tetraacetate**  
ACUTE TOXICITY : LD50 Oral (rat): 630 - 1,260 mg/kg,  
INHALATION LC50 : No data available  
DERMAL LD50 : No data available  
OTHER INFORMATION ON : No data available  
ACUTE TOXICITY

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 : **Sodium Tolytriazole/Benzotriazole Mixtue**  
ACUTE TOXICITY : Sodium Tolytriazole: LD50 Oral (rat): 675mg/kg.  
Sodium Benzotriazole: LD50 Oral (rat): 560mg/kg.  
HUMAN TOXICITY LEVELS : Not Found.

### SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION : **Ethylenediamine Tetraacetate**  
ECOTOXICITY : No data available.  
PERSISTENCE AND : No data available.  
DEGRADABILITY  
BIOACCUMULATIVE POTENTIAL : No data available.

ECOLOGICAL INFORMATION : **Sodium Dodecylbenzene Sulfonate**  
TOXICITY TO FISH : Mortality NOEC - Oncorhynchus kisutch - 3.1 mg/l - 3 d

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Mortality LOEC - Oncorhynchus kisutch - 5.6 mg/l - 3 d  
LC50 - Oncorhynchus mykiss (rainbow trout) - 3.2 - 5.6 mg/l - 96 h

**ECOLOGICAL EFFECTS** : **Sodium Tolytriazole/Benzotriazole Mixtue**  
**ECOTOXICITY (FLATHEAD MINOW)** : 96 Hour LC50: 273 mg/L (95% C.I. 255 – 292 mg/L)  
96 Hour Survival NOEC: 200 mg/L  
96 Hour Survival LOEC: 400 mg/L  
**ECOTOXICITY (WATER FLEA)** : 48 Hour LC50: 414 mg/L (95% C.I. 355-483 mg/L)  
48 Hour Survival NOEC: 200 mg/L  
48 Hour Survival LOEC: 400 mg/L

### 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.

### 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.  
**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** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 312.  
**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

**EUROPEAN UNION REGULATORY INFORMATION:**

**EC CLASSIFICATION** : Xi: Irritant  
**DSD/DPD RISK (R) PHRASES** : R22: Harmful is swallowed.  
R36/38: Irritating to eyes and skin.



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**DSD/DPD SAFETY (S) PHRASES** : S1/2: Keep locked up and out of reach of children.  
S24/25: Avoid contact with eyes and skin.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/S37/39: Wear suitable protective clothing, gloves and eye/face protection.  
S45: In case of accidents or if you feel unwell, seek medical advice immediately. Show label where possible.  
S61: Avoid release to the environment.  
S62: If swallowed, do not induce vomiting.  
S64: If swallowed, rinse mouth with water if victim is conscious.



**DSD/DPD HAZARD SYMBOL** : Xi: Irritant

### CANADIAN REGULATORY INFORMATION:

**WHMIS CATEGORY** : D2B: Materials that cause other toxic effects (TOXIC). (EDTA)  
**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. Wesmar Co. 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  
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