



Omega Chemical Corp.

410 Trailwood Dr.
Weatherford, TX 76085
(219) 208-0500
www.omegachemical.com

1) PRODUCT AND COMPANY INFORMATION:

Product Name: MAGNUM K

Product Code: 105812-2318

Manufacturer:

Omega Chemical Corp.
410 Trailwood Dr.
Weatherford, TX 76085
(219) 208-0500

24 Hour Transportation Related Emergencies Call:

CHEMTREC:(800) 424 9300

Account No.: CCN223

2) HAZARD IDENTIFICATION:

This material is classified as hazardous according to OSHA 29 CFR 1910.1200 Hazard Communication Standard.

SIGNAL WORD: DANGER



GHS RATINGS:

Oral Toxicity	4	Oral>300 ≤ 2000mg/kg
Dermal Toxicity	4	Dermal>1000 ≤ 2000mg/kg
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1-hour visible necrosis in at least one animal.
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3, Iritis > 1.5

GHS HAZARDS:

- H302 Harmful if swallowed
- H312 Harmful in contact with skin
- H314 Causes severe skin burns and eye damage
- H318 Causes serious eye damage
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

PRECAUTIONS:

- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P264 Wash thoroughly after handling
- P270 Do not eat, drink, or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P281 Use personal protective equipment as required
- P285 In case of inadequate ventilation wear respiratory protection
- P310 Immediately call a POISON CENTER or doctor/physician
- P363 Wash contaminated clothing before reuse
- P305+P351 IF IN EYES: Rinse continuously with water for several minutes. Remove contact
 +P338 lenses if present and easy to do continue rinsing
- P304+P340 IF INHALED: Move fresh air. If breathing is difficult, keep at rest in a position
 comfortable for breathing.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P303+P361 IF ON SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with
 +P353 water/shower. Wash with soap and water
- P342+P311 Call a POISON CENTER or doctor/physician
- P403+P235 Store in a well-ventilated place. Keep cool
- P501 Dispose of contents/container according to local, state, and Federal regulations.

3) COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name	CAS Number	Weight concentration %
Water	7732-18-5	45.00% to 65.00%
Proprietary	*****	10.00% to 30.00%
Sodium Hydroxide	1310-73-2	10.00% to 20.00%
Monoethanolamine	141-43-5	1.00% to 10.00%
Nonylphenol ethoxylated	127087-87-0	1.00% to 5.00%

All concentrations are in percentage by weight.



4) FIRST-AID MEASURES:

INHALATION:

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, oxygen may be administered by trained personnel. If not breathing, provide artificial respiration.

Seek medical attention immediately.

EYE CONTACT:

Immediately rinse eyes with copious amounts of tepid water for a minimum of 15-20 minutes. Eyelids should be held apart and away from eyeball for thorough rinsing. If contact lenses are present and easily removed do so after 2 minutes of rinsing. Seek medical attention immediately.

SKIN CONTACT:

Immediately wash with soap and water, flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Seek medical attention immediately.

INGESTION:

Do not induce vomiting! Never give anything by mouth to an unconscious person. If conscious, rinse mouth with water (do not swallow). Seek medical attention immediately.

5) FIRE FIGHTING MEASURES:

FIRE EXTINGUISHING MEDIA:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

DECOMPOSITION PRODUCTS:

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive fumes.

FIRE FIGHTING MEASURES:

Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus (SCBA). **SMALL FIRES:** Move containers from fire area if you can do it without risk.



6) ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTIONS:

Keep unauthorized personnel away. Stay upwind. Do not get water inside container. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas. Prevent entry into waterways, sewers, basements, or confined areas (See section 8 for recommendations on the use of personal protective equipment.)

SPILLS:

Absorb with earth, sand, or other non-combustible material. Transfer the spilled material to caustic resistant containers labeled: CORROSIVE With careful handling, dilute acid, preferable acetic acid, may be used to neutralize final traces of caustic. Flush the cleaned area with water. LARGE SPILLS: Dike far ahead of liquid spill for later disposal

7) HANDLING AND STORAGE:

HANDLING PRECAUTIONS:

Handle and open container with care. Use only with adequate ventilation. Use caution when combining with water; DO NOT add water to corrosive liquid, ALWAYS add corrosive liquid to water while stirring to prevent release of heat, steam, and fumes. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapors and/or spray. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

STORAGE REQUIREMENTS:

Keep container tightly closed. Store in a cool/low-temperature, well-ventilated place. Store separate from the normal work area and away from materials that react with sodium hydroxide. Use corrosion resistant structural materials and lighting and ventilation systems in the storage area.

8) EXPOSURE CONTROLS/PERSONAL PROTECTION:

CAS Number	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
1310-73-2	TWA: 2 mg/m ³	Ceiling: 2 mg/m ³	NIOSH: Ceiling: 2 mg/m ³
141-43-5	TWA: 3 ppm; 6 mg/m ³	TWA: 3ppm STEL: 6ppm	NIOSH: TWA: 3 ppm; 8 mg/m ³ STEL 6ppm; 15 mg/m ³
111-76-2	TWA: 50 ppm; 240 mg/m ³	TWA: 20 ppm	NIOSH: 5 ppm TWA; 24 mg/m ³
127087-87-0	Not established	Not established	Not established



ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established).

an approved respirator must be worn. Recommend an eyewash / safety shower in area.

VENTILATION:

Use only with adequate ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:

If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with OSHA (29 CFR 1910.134), as applicable. Types of respirators to be considered for this material include: Full face respirator with acid gas cartridges.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded

EYE/FACE PROTECTION:

Wear appropriate safety glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133. Safety glasses with a face shield are suggested when ventilation is adequate to eliminate the need for a respirator.

SKIN PROTECTION:

Wear impermeable chemical protective clothing, including gloves and boots to prevent skin contact with the material.



9) PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	
Physical state	Clear Liquid
Color	Orange
Odor	Characteristic
pH	11.8 – 12.5 (1% solution)
Melting point/freezing point	No data available
Boiling point range	No data available
Flash point	Not applicable
Evaporation rate	No data available
Flammability	Not flammable
Upper/lower flammability or explosive limits	
Flammability limit – lower	No data available.
Flammability limit – upper	No data available
Melting Point	No data available.
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity	1.110 – 1.120
Solubility in water	Soluble
Auto-ignition temperature	No data available

10) STABILITY/REACTIVITY:

CHEMICAL STABILITY:

Stable under normal conditions of storage and use.

CONDITIONS TO AVOID:

Incompatible materials. Excess heat

INCOMPATIBLE MATERIALS:

This product reacts with water generating heat. This product reacts violently or explosively with chlorinated hydrocarbons. It attacks leather and wool resulting in destruction of those materials and possible chemical exposure to the individual. Caustic solutions can generate hydrogen gas on contact with aluminum, zinc or materials galvanized with zinc.

HAZARDOUS POLMERIZATION:

Under normal conditions and use hazardous polymerization will not occur.



11) TOXICOLOGICAL INFORMATION:

Component	Test	Results	Species
1310-73-2	LD50 Oral	340 mg/kg	Rat
141-43-5	LD50 Oral	1720 mg/kg	Rat
111-76-2	LC50 Inhalation	450 ppm	Rat
	LD50 Oral	470 mg/kg	Rat
127087-87-0	LD50 Oral	1310 mg/kg	Rat

ACGIH - Threshold Limit Values - TLV Basis - Critical Effects

1310-73-2 eye, skin, and upper respiratory tract irritation

141-43-5 eye and skin irritation

111-76-2 eye and upper respiratory tract irritation

Contains alkali. Avoid contact with eyes. Can cause blindness. Keep out of reach of children.

12) ECOLOGICAL INFORMATION:

Sodium Hydroxide	96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L
Monoethanolamine	96 Hr LC50 Pimephales promelas: 227 mg/L ; 96 Hr LC50 Brachydanio rerio: 3684 mg/L ; 96 Hr LC50 Lepomis macrochirus: 300 1000 mg/L ; 96 Hr LC50 Oncorhynchus mykiss: 114 196 mg/L ; 96 Hr LC50 Oncorhynchus mykiss: >200 mg/L 48 Hr EC50 Daphnia magna: 65 mg/L 72 Hr EC50 Desmodesmus subspicatus: 15 mg/L
2 Butoxyethanol	96 Hr LC50 Lepomis macrochirus: 1490 mg/L ; 96 Hr LC50 Lepomis macrochirus: 2950 mg/L 48 Hr EC50 Daphnia magna: >1000 mg/L

13) DISPOSAL CONSIDERATIONS:

Dispose of according to local, state, and Federal regulations.



14) TRANSPORTATION INFORMATION:

For emergency transportation information, in the United States: **Call CHEMTREC at 800-424-9300**

US DOT:

UN NUMBER: UN3266
SHIPPING NAME: Corrosive Liquid, basic, inorganic, n.o.s. (sodium hydroxide, monoethanolamine)
HAZARD CLASS: 8
PACKING GROUP: II
ERG: 154
RQ 1000

15) REGULATORY INFORMATION:

US federal regulations This product is a "Hazardous Material" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CAS #	302 (EHS) TPQ	304 EHS RQ	CERCLA RQ	SECTION 313	RCRA CODE	CAA 112 (r) TQ
1310-73-2			1000			
141-43-5						
111-76-2						
127087-87-0				313%		

Inventory - United States - Section 8(b) Inventory (TSCA)

All constituents are listed or exempt

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

1310-73-2 final RQ 1000 lbs; 454 kg

U.S. - CWA (Clean Water Act) - Hazardous Substances

1310-73-2 Present

U.S. - CWA (Clean Water Act) - Reportable Quantities of Designated Hazardous Substances

1310-73-2 RQ 1000 lbs



U.S. - Massachusetts - Right to Know List

1310-73-2 Present

141-43-5 Present

111-76-2 Present

U.S. - New Jersey - Right to Know Hazardous Substance List

1310-73-2 sn 1706

141-43-5 sn 0835

111-76-2 sn 0275

U.S. - Pennsylvania - RTK (Right to Know) List

1310-73-2 Present

141-43-5 Present

111-76-2 Present

16) OTHER INFORMATION:

The information contained herein is based on data considered accurate; however, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. The company assumes no responsibility for personal injury or property damage to vendors, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the products.

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