

Tubmate Torque

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| 1 | PRODUCT AND COMPANY IDENTIFICATION |
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Product Identifier: Tubmate Torque
SDS Number: C698003
Revision Date: May 18, 2018
Version: 45-64A

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| Manufactured for: Kärcher North America 4555 Airport Way Denver, CO 80239 Phone: 303-738-2400 Email: info@karcherna.com | Canadian Contact: Kärcher North America 6535 Millcreek Drive, Unit 67 Mississauga, ON L5N 2M2 Phone: 905-672-8233 |
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Emergency Information: INFOTRAC 1-800-535-5053 International 1-352-323-3500

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| 2 | HAZARDS IDENTIFICATION |
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Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Health, Acute toxicity, 5 Oral
- Health, Acute toxicity, 4 Dermal
- Health, Serious Eye Damage/Eye Irritation, 2 A

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H303 - May be harmful if swallowed
- H312 - Harmful in contact with skin
- H319 - Causes serious eye irritation

GHS Precautionary Statements:

- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P302+352 - IF ON SKIN: Wash with soap and water.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
- P337+313 - If eye irritation persists: Get medical advice/attention.
- P363 - Wash contaminated clothing before reuse.

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| Route of Entry: | Eyes, Skin, Inhalation |
| Target Organs: | Eyes; Skin |
| Inhalation: | Minimal respiratory tract irritation may occur with exposure to a large amount of material. |
| Skin Contact: | Irritating to skin; may cause burns, blisters and itching |
| Eye Contact: | Irritating to eyes, eye damage may occur |
| Ingestion: | Irritating to intestinal tract; may cause burns, vomiting, stomach pain, and disorientation |

| Chemical Ingredients | | |
|----------------------|-----|-------------------------------------|
| CAS# | % | Chemical Name |
| 111-76-2 | 3% | Ethylene Glycol Butyl Ether |
| 497-19-8 | 27% | Sodium Carbonate |
| 6834-92-0 | 34% | Sodium Metasilicate Pentahydrate |
| 7632-00-0 | 2% | Sodium nitrite |

OSHA Regulatory Status:

This SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

FIRST AID MEASURES

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| Inhalation: | Remove from exposure and get fresh air. Keep warm and at rest. Get medical attention immediately if artificial respiration is required. |
| Skin Contact: | Remove contaminated clothing, jewelry and shoes immediately. Flush affected area with large amounts of water, then use soap or mild detergent and large amounts of water for 15-20 minutes to cleanse area. If skin is severely irritated or burned, get medical attention immediately |
| Eye Contact: | Immediately flush eyes with large amounts of water occasionally lifting upper and lower lids for at least 15 minutes. Get immediate medical attention. |
| Ingestion: | If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention. |

FIRE FIGHTING MEASURES

Flash Point: N/A

Wear self-contained breathing apparatus and other protective clothing. Use any standard agent - choose the one most appropriate for type of surrounding fire.

ACCIDENTAL RELEASE MEASURES

Response team must use protective clothing to prevent body contact. Keep away from drains and ground water. Keep all unnecessary personnel away. Spill area may be slippery. Sweep up, place in bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

HANDLING AND STORAGE

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| Handling Precautions: | Do not get in eyes, on skin, or on clothing. Do not breathe dust. Keep container closed. Promptly clean up spills. Wash thoroughly after handling. |
| Storage Requirements: | Store out of reach of children; keep container closed; store in a cool well-ventilated place away from strong oxidizing or acidic materials. |

EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Engineering Controls: | Normal room ventilation is satisfactory for limited use. |
| Personal Protective Equipment: | HMIS PP, B Safety glasses, Gloves |

Ethylene glycol butyl ether 111-76-2 OSHA PEL 50 ppm - 240 mg/m³

Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

9

PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | Yellow |
| Physical State: | Powder |
| Odor: | Citrus |
| Solubility: | Soluble |
| Specific Gravity or Density: | N/A |
| Potentia Hydrogenii: | 11.9 @ 1% Solution |

10

STABILITY AND REACTIVITY

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| Chemical Stability: | Product is stable under normal conditions. |
| Conditions to Avoid Identification: | None known |
| Materials to Avoid Identification: | None known |
| Hazardous Decomposition: | Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, and other unidentified thermal decomposition products from this product or its packaging. |
| Hazardous Polymerization: | Will not occur. |

11

TOXICOLOGICAL INFORMATION

Toxicity Data:

Sodium metasilicate

Oral (LD 50): 1153 mg/kg - Rat

Inhalation (LC 50): Not Listed on RTECS

Skin irritation: Severe

Eye irritation: Severe

Sensitation: Not considered an occupational sensitizer

Chronic Toxicity: Not considered a carcinogen, developmental toxin or a mutagen

Sodium nitrite

Oral (LD 50): 1153 mg/kg Rat

Inhalation (LC 50): 5.5 mg/m³/4H Rat

Skin irritation: Mild

Eye irritation: Mild

Sensitation: Not considered an occupational sensitizer

Chronic Toxicity: Not considered a carcinogen, developmental toxin or a mutagen

Sodium Carbonate 497-19-8

Oral (LD 50): 4090 mg/kg - Rat

Inhalation (LC 50): 2300 mg/m³/2H - Rat

Skin irritation: Mild - Rabbit

Eye irritation: Moderate - Rabbit

Sensitation: Not considered an occupational sensitizer

Ethylene glycol butyl ether 111-76-2

Oral (LD 50): 917 mg/kg - Rat

Inhalation (LC 50): 2900 mg/m³/7H - Rat

Skin irritation: Mild

Eye irritation: Mild

Sensitization: Not considered an occupational sensitizer

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| 12 | ECOLOGICAL INFORMATION |
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On the basis of available information, this material is not expected to produce any significant environmental effects when recommended use instructions are followed.

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| 13 | DISPOSAL CONSIDERATIONS |
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Recommendation: Consult with the disposal agency and the relevant authorities. Empty containers may be cleaned with water.

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| 14 | TRANSPORT INFORMATION |
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Ship in accordance with 49 CFR parts 100-185. Non-hazardous for air, sea and road freight.

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| 15 | REGULATORY INFORMATION |
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Component (CAS#) [%] - CODES

Ethylene Glycol Butyl Ether (111-76-2) [3%] MASS, OSHAWAC, PA, TSCA, TXAIR, WHMIS

Sodium Carbonate (497-19-8) [27%] TSCA, WHMIS

Sodium Metasilicate Pentahydrate (6834-92-0) [34%] TSCA, WHMIS

Sodium nitrite (7632-00-0) [2%] CERCLA, CSWHS, MASS, PA, SARA313, TSCA, WHMIS

Regulatory CODE Descriptions

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHA = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
WHMIS = workplace Haz Mat Info Sys Canada

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: The following ingredients present in the product are known to the state of California to cause cancer.

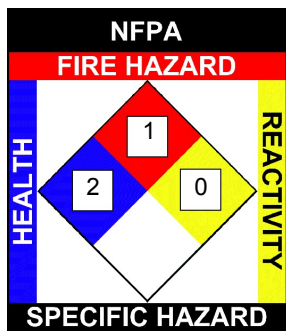
| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Ethylene oxide | 75-21-8 |
| Propylene oxide | 75-56-9 |
| 1,4-Dioxane | 123-91-1 |

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
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| Ethylene oxide | 75-21-8 |

NFPA: Health = 2, Fire = 1, Reactivity = 0, Specific Hazard = n/a
HMIS III: Health = 2, Fire = 1, Physical Hazard = 0
HMIS PPE: B - Safety Glasses, Gloves



| HMIS | |
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| HEALTH | 2 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | B |

This document is prepared in accordance with 29 CFR 1910.1200. The purpose of this section is to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees.

All information appearing herein is based upon data obtained from the raw material manufacturer and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the manufacturer's control; therefore the users are responsible to verify this data under their own particular conditions, applications and regulations to determine if the product is suitable for their particular purposes. The users assume all risks of product use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.

Prepared by: EHS Manager