Chema Industries

MATERIAL SAFETY DATA SHEET

Tritone K

SECTION 1. IDENTIFICATION OF THE SUBSTANCE

Trade Name : Tritone K

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Active ingredients/

PEG: polyethylene glycol

Tween 20: polyoxyethylene sorbitan monolaurate

CAS No.: 9005-64-5

Description: Wetting & Sticking agent

Dangerous Impurities : None

Substance	Conc.
Active ingredient	
Tween 20	3%
PEG	10%
Other	87%
Total	100%

SECTION 3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye: May cause eye irritation.
Skin: May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.
Chronic: Adverse reproductive effects have been reported in animals.

SECTION 4.FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develo ps, get medical aid.

Skin:
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:
Do not induce vomiting. Get medical aid if irritation or symptoms occur.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Notes to Physician: Treat symptomatically and supportively.

SECTION 5.FIRE FIGHTING MEASURES

Flash Point: 232.00 C
Explosive: not explosion
Fire Fighting Instructions:
As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
Flammable Properties and Hazards: Emits toxic fumes under fire conditions.
Extinguishing Media:
Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.

SECTION 6.ACIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:
Wear a NIOSH/MSHA approved self-contained breathing apparatus and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.
After removal, ventilate contaminated area and flush thoroughly with water.

SECTION 7.HANDLING AND STORAGE

Hazard Label Information:

1. Avoid contact with skin and eyes.
2. Do not reuse this container.
3. Use with adequate ventilation.
4. Wash thoroughly after handling.

Precautions To Be Taken in Handling:

1. Avoid breathing (dust, vapor, mist, gas).
2. Avoid contact with eyes, skin, and clothing.
3. Avoid prolonged or repeated exposure.
4. Do not reuse this container.
5. Keep away from sources of ignition.
6. Use with adequate ventilation.
7. Wash thoroughly after handling.

Precautions To Be Taken in Storing:

1. Keep tightly closed.
2. Store at correct temperature.

SECTION 8.EXPOSURE CONTROL/PERSONAL PROTECTION

Protective Equipment Summary – Hazard Label Information:
Eye wash station in work area Lab coat Latex disposable gloves Safety glasses Safety shower in work area Vent Hood
Respiratory Equipment (Specify Type): No data available.
Eye Protection: Safety glasses
Protective Gloves: Latex disposable gloves
Other Protective Clothing: Lab coat
Engineering Controls (Ventilation etc.):
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Work/Hygienic/Maintenance Practices:
Do not take internally.
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid fertilizer
Colour: yellow
Density: 1.01 gm/cm3
pH value: 1.5
pH of 1% solution : 5.6
Corrosion properties: Non corrosion

SECTION 10.STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

SECTION 11.TOXICOLOGICAL INFORMATION

Toxicological Information:
The toxicological effects of this compound have not been thoroughly studied.

Irritation Data:
Skin (human): 15 mg/3D-I mild
Toxicity Data:
Oral LD50 (rat):36700 ul/kg
Intraperitoneal LD50 (rat):3850 mg/kg
Intravenous LD50 (rat):770 mg/kg
Oral LD50 (mouse):>33 gm/kg
Intraperitoneal LD50 (mouse):2640 mg/kg
Intravenous LD50 (mouse):1420 mg/kg
Oral LD50 (hamster):18 ml/kg
Chronic Toxicological Effects:
Target organ data:
Specific developmental abnormalities (musculoskeletal system)
Specific developmental abnormalities (other developmental abnormalities)
Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.
See actual entry in RTECS for complete information.
Tween RTECS Number: TR7400000

Carcinogenicity/Other Information:
Carcinogenicity:
NTP? No
IARC Monographs? No
OSHA Regulated? No

SECTION 12. ECOLOGICAL INFORMATION

Biodegradability: The product is biodegradable.

Ecological and biological effects: None

SECTION 13. DISPOSAL INSTRUCTION

Waste Disposal Method:
Dispose in accordance with local, state and federal regulations.

SECTION 14.TRANSPORT INFORMATION

No especial measures.

SECTION 15. REGULATORY INFORMATION

Acute:	No
Chronic:	No
Fire:	Yes
Reactivity:	No

SECTION 16. OTHER INFORMATION

The information, contained in this Safety Data Sheet is considered up to the present as true and correct. The accuracy of which and any recommendations are offered without guaranty. The user is responsible of determinating correct application because conditions of use are out of our control. The information contained herein is not to be considered as analytical specifications, in this respect we refer you to our Technical Sheet.