

## KO-19 Bulk

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** KO-19 Bulk  
**SDS Number:** KO-19 Bulk  
**Revision Date:** 6/14/2022  
**Product Use:** NDT Inspection cleaner/remover per AMS-2644/ ASTM E-1417

**Supplier Details:** Sherwin Inc.  
5530 Borwick Avenue  
South Gate, CA 90280

**Phone:** 562-861-6324  
**Email:** sherwin@sherwininc.com  
**Internet:** www.sherwininc.com

#### Emergency telephone number:

ChemTel 1-800-255-3924 in U.S.A, Canada, Puerto Rico and US Virgin Islands;  
ChemTel +1-813-248-0585 outside U.S.A, Canada, Puerto Rico and US Virgin Islands  
ChemTel Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086 and Mexico: 01-800-099-0731

### 2 HAZARDS IDENTIFICATION

#### Classification of Substance

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

Health, Serious Eye Damage/Eye Irritation, 1  
Health, Skin corrosion/irritation, 2

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word: DANGER**

#### GHS Hazard Pictograms:



#### GHS Hazard Statements:

H318 - Causes serious eye damage  
H315 - Causes skin irritation

#### GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 - Wash ... thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.  
P302 + P352 - IF ON SKIN: Wash with plenty of water. If irritation persists get medical attention.  
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P312 - Call a POISON CENTER/doctor/...if you feel unwell.  
P337 + P313 - If eye irritation persists: Get medical advice/attention.  
P362 + P364 - Take off contaminated clothing and wash it before reuse.  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.



## KO-19 Bulk

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
84133-50-6	10-25%	Alcohols, C12-14-secondary, ethoxylated

### 4 FIRST AID MEASURES

- Inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- Skin Contact:** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids to facilitate irrigation. Get immediate medical attention.
- Ingestion:** Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do NOT induce vomiting or attempt chemical neutralization. If symptoms persist, call a physician.

### 5 FIRE FIGHTING MEASURES

- Flash Point:** > 93 °C (> 200 °F)
- Flash Point Method:** ASTM D-93
- Autoignition Temp:** Not determined
- Lower Explosive Limit:** Not determined
- UEL:** Not determined
- Suitable extinguishing agents:** Water haze, Foam, ABC powder

**Special hazards arising from the substance or mixture:** Carbon monoxide, carbon dioxide, nitrogen oxides

**Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit

**Unsuitable extinguishing media:** High volume water jet

### 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

**Environmental precautions:** Do not allow to enter storm sewers/ surface or ground water.

**Methods and material for containment and cleaning up:** Collect liquid in an appropriate container or absorb with an inert material such as vermiculite, dry sand, or earth; DO NOT use combustible materials. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation..Place in a chemical waste container.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Avoid contact with eyes, skin, or clothing. Consider normal working hygiene.

**Storage Requirements:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Containers may be hazardous when empty since residue liquid may be present

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### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use mechanical (general) ventilation for storage areas.

**Personal Protective Equipment:** Chemical resistant gloves;  
Chemical safety glasses;  
No personal respiratory protective equipment normally required. In case of vapor formation or aerosols use an organic vapor respirator with dust, mist, and fume filters;  
Impervious clothing.

**Exposure Limits:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering controls:** . General ventilation should be sufficient for most operations. In case of vapor formation or aerosols, use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines



**General protective and hygienic measures:** No personal respiratory protective equipment normally required. In case of vapor formation or aerosols use an organic vapor respirator with dust, mist, and fume filters;  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with eyes and skin.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear colorless	<b>Odor:</b>	Mild
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Soluble in water
<b>Spec Grav./Density:</b>	0.99	<b>Flash Point:</b>	> 93 °C (> 199 °F) (ASTM D-93)
<b>Viscosity:</b>	Kinematic at 37.8 °C (100 °F): >13 cSts (ASTM D455)	<b>Vapor Density:</b>	Not determined
<b>Boiling Point:</b>	Initial 100 °C (212 °F)	<b>Auto-Ignition Temp:</b>	No data available
<b>Vapor Pressure:</b>	Not determined	<b>UFL/LFL:</b>	No data available
<b>pH:</b>	5.5 - 8.0 @ 20 - 25 °C (68 - 77 °F)		
<b>Evaporation Rate:</b>	Not determined		

### 10 STABILITY AND REACTIVITY

**Reactivity:** No dangerous reaction under normal use.



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<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avolidentification:</b>	Elevated temperatures
<b>Materials to Avolidentification:</b>	Strong Acids; Strong Bases Strong Oxidizing Agents Strong Reducing Agents
<b>Hazardous Decomposition:</b>	No dangerous decomposition products known
<b>Hazardous Polymerization:</b>	Will not occur.

### 11 TOXICOLOGICAL INFORMATION

Risk of serious damage to eyes.  
Irritating to skin.

CAS # 84133-50-6:  
Acute oral toxicity: LD/50 (Rat) estimated >3000 mg/kg  
Acute dermall toxicity: LD/50 (Rabbit) estimated >2000 mg/kg

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or antici-pated carcinogen by NTP.

STOT - single exposure: No data available  
STOT - repaeted exposure: No data available

### 12 ECOLOGICAL INFORMATION

**Ecotoxcity**

84133-50-6 Secondary alcohol ethoxylates : LC50/96h: expected to be >3 mg/l (Fish)  
EC50/48h: expected to be > 3 mg/l (daphnia)

**Persistency and degradability**  
No data available.

**Bioaccumulative potential**  
No data available

**Mobility in soil**  
No data available

### 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations  
Empty containers may retain product residue ( liquid and/or vapor) and can be dangerous.

### 14 TRANSPORT INFORMATION

DOT, IATA, IMDG



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Not regulated

### 15 REGULATORY INFORMATION

**Toxic Substances Control Act, TSCA:** All components listed

**SARA 302:** No chemicals in this product are subject to reporting requirements of SARA Title III, Section 302

**SARA 304 Emergency release notification:** Not regulated.

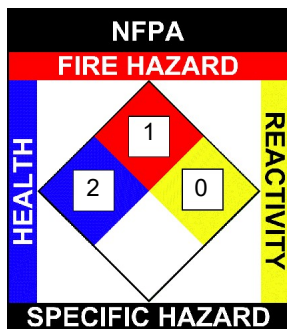
**SARA 311/312 Hazards:** Immediate (acute) health hazard

**SARA 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.

**CERCLA Reportable Quantity:** Does not have any components that would reasonably exceed a RQ.

### 16 OTHER INFORMATION

**NFPA:** Health = 2, Fire = 1, Reactivity = 0, Specific Hazard = n/a



This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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