

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

**SHERWIN INCORPORATED**

5530 Borwick Avenue South Gate, California 90280

Phone: 562-861-6324 Fax: 562-923-8370

IDENTITY (as Used on Label and List)

**DUBL-CHEK KO-19 Remover**

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's name

**SHERWIN INCORPORATED**

Emergency Telephone Number

**TRANSPORTATION EMERGENCY: 800-424-9300**

**SHERWIN INCORPORATED; 562-861-6324**

Address (Number, Street, City, State and ZIP Code)

**5530 BORWICK AVE.**

Telephone Number for Information

**562-861-6324**

**SOUTH GATE, CA 90280**

Date Prepared **January 2012**

Signature of Preparer (optional)

**Section II—Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Ethoxylated C-11 – C-15 Secondary Alcohols mixture. A nonionic surface active agent or "wetting agent" ( detergent )</b>				
<b>CAS no. 84133-50-6</b>	<b>unlisted</b>	<b>unlisted</b>		

While exposure limits not established, a general guideline for products of this type is 5 mg/m<sup>3</sup> ( 8 hour time-weighted average)

Avoid vapors when inspecting high temperature surfaces. Inspect in small increments. Provide mechanical ventilation. Wear suitable breathing apparatus.

\*(SEE SEPARATE MSDS FOR KO-19 PACKAGED IN AEROSOL CANS)

**HIMS – F1, H-2, R-0, S-0**

**Section III—Physical/Chemical Characteristics**

Boiling Point	<b>212°F</b>	Specific Gravity (H <sub>2</sub> O = 1) approximately	<b>0.98</b>
Vapor Pressure (mm Hg) @ 77°F	<b>N/A</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR = 1)	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1)	<b>0.05</b>
Solubility in Water	<b>Complete</b>		
Appearance and Odor	<b>Clear liquid, petroleum odor</b>		

**Section IV—Fire and Explosion Hazard Data**

Flash Point (Method Used)	<b>None ASTM D 93</b>	Flammable Limits	LEL	UEL
			<b>N/A</b>	<b>N/A</b>
Extinguishing Media	<b>Large fires: All purpose-type foam or alcohol-fire foam in accordance with mfr's recommended technique. Small fires: Carbon-dioxide or dry chemical media.</b>			

Special Fire Fighting Procedures

**DO NOT direct solid stream of water, it spreads the fire. Product may float and reignite on surface of the water. Firefighters should wear self-contained breathing apparatus and protective clothing.**

Unusual Fire and Explosion Hazards

**On burning this product can release toxic fumes and vapors.**

## Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid <b>Open flames, build up of vapors and hazards normally incompatible with petroleum oils.</b>
	Stable	<b>X</b>	

Incompatibility (*Materials to Avoid*) **Normally unreactive, however, avoid strong oxidizing agents.**

Hazardous Decomposition byproducts **Burning can produce toxic vapors which are harmful if inhaled as well as the following products: carbon monoxide and / or carbon dioxide**

Hazardous Polymerization	May Occur		Conditions to Avoid <b>None</b>
	Will Not Occur	<b>X</b>	

## Section VI—Health Hazard Data

Route(s) of Entry	Inhalation? <b>Primary</b>	Skin? <b>Primary</b>	Ingestion? <b>Not likely</b>
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**Health hazard Acute & chronic** **SWALLOWING:** May cause irritation of the mouth and throat. Abdominal discomfort, nausea, vomiting and diarrhea. **SKIN ABSORPTION:** Prolonged or wide spread contact may result in the absorption of potentially harmful amounts of material. **INHALATION:** Short term harmful effects are not expected from vapor generated at ambient temperature. Elevated processing temperatures may cause a release of vapors which are harmful if inhaled. **SKIN CONTACT:** Causes irritation w/discomfort, local redness and swelling. Prolonged contact may cause severe irritation. **EYE CONTACT:** Causes moderate to severe irritation, experienced as discomfort or pain, excess blinking and tear production, w / marked excess redness and swelling of the conjunctiva. Corneal injury may result.

Carcinogenicity	NTP? <b>N/A</b>	IARC Monographs? <b>N/A</b>	OSHA Regulated? <b>N/A</b>
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Signs and Symptoms of Exposure **Repeated skin contact may cause dermatitis.**

Medical Conditions Generally Aggravated by Exposure **Skin contact may aggravate existing dermatitis.**

Emergency and First Aid Procedures **SWALLOWING: DO NOT INDUCE VOMITING.** Obtain medical attention. **SKIN:** Remove contaminated clothing. Wash skin w / soap and water. If irritation persists or if contact has been prolonged, obtain medical attention. **Inhalation:** Remove to fresh air. **EYES:** Immediately flush eyes w/ water and continue washing for at least 15 minutes. Obtain medical attention w/o delay, preferably from an ophthalmologist.

## Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or spilled; **Wear eye and skin protection. Floor may be slippery, use care to avoid falling. Contain spills immediately w/ inert materials ( e.g. sand, earth ). Avoid discharge to natural waters. Transfer liquids and solids, diking materials to suitable containers for recovery or disposal. The material is water-miscible and final clean up w / water to remove surface residue is permissible. Immediately extinguish all flames and sources of ignition.**

Waste Disposal Method **Incinerate in a furnace where permitted under Federal, State, and Local regulations.**

Precautions to Be Taken in Handling and Storing **HANDLING: Do not splash or create mists or vapors. STORAGE: Store away from high temperatures and open flames. Keep containers closed.**

Other Precautions **Use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Emptied containers retain vapor and product residues. DO NOT cut or weld on or near the container.**

## Section VII—Control Measures

Respiratory Protection (*Specify Type*) **Use NIOSH approved respirator if vapors or mist is generated.**

Ventilation	Local Exhaust <b>Advisable</b>	Special <b>None</b>
	Mechanical ( <i>General</i> ) <b>Room ventilation is expected to be satisfactory.</b>	Other <b>None</b>

Protective Gloves **Chemical resistant** Eye Protection **Monogoggles or chemical safety when possibility of splashing.**

Other Protective Clothing or Equipment **Chemical apron, eye bath, safety shower.**

work / Hygienic Practices **Wash thoroughly after handling.**