

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 Penetrant KO-17

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	Emergency Telephone Number
SHERWIN INCORPORATED	TRANSPORTATION EMERGENCY: 800-424-9300
	SHERWIN INCORPORATED; 562-861-6324
Address (Number, Street, City, State and ZIP Code)	Telephone Number for Information
5530 BORWICK AVE.	562-861-6324
	Date Prepared January 2012
SOUTH GATE, CA 90280	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)
Ethoxylated C-11 – C-15 Secondary Alcohols mixture. A nonionic surface active agent or "wetting agent" (detergent)	CAS no. 84133-50-6	unlisted	unlisted	

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

*(SEE SEPARATE MSDS FOR KO-17 PACKAGED IN AEROSOL CANS)

HIMS – F1, H-2, R-0, S-0

Section III—Physical/Chemical Characteristics

Boiling Point	440°F	Specific Gravity (H ₂ O = 1) approximately	0.99
Vapor Pressure (mm Hg) @ 20°C	<0.01	Melting Point	482°F
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	<0.01
Solubility in Water	100%		
Appearance and Odor	Transparent red liquid, mild characteristic odor		

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	368°F ASTM D 93	Flammable Limits	LEL	UEL
		Not determined	N/A	N/A
Extinguishing Media	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.			
Special Fire Fighting Procedures	DO NOT direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. 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 Open flames, build up of vapors and hazards normally incompatible with petroleum oils.
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>) 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 None
	Will Not Occur	X	

Section VI—Health Hazard Data			
Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	Primary	Primary	Not likely
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?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A
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 (<i>Specify Type</i>)		Use NIOSH approved respirator if vapors or mist is generated.	
Ventilation	Local Exhaust	Advisable	Special None
	Mechanical (<i>General</i>)	Room ventilation is expected to be satisfactory.	Other None
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.	