



Material Safety Data Sheet

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1).
Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) standards.

Revision Date 18-Sep-2006

Revision Number 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	SWEPCO Zonex-K Industrial Cleaner
Product Code	W11200
Chemical Family	Complex mixture
Recommended Use	Cleaning agent
Supplier Address	Southwestern Petroleum Corporation, 534 North Main St, Fort Worth, TX 76106 USA 1-800-877-9372 www.swepcousa.com
Emergency Telephone Number	Chemtrec 1-800-424-9300 in US; Canutec 1-613-996-6666 in Canada.
UN-No	None

2. HAZARDS IDENTIFICATION

Emergency Overview

Not expected to present a significant health hazard upon short term exposure. May cause skin irritation and/or dermatitis. May be harmful if swallowed.



NFPA Health	1	Flammability	0	Instability	0
WHMIS	D2B - Other Toxic				
Appearance	Green	Physical State	Liquid	Odor	Pine
Principle Routes of Exposure	Skin contact. Eye contact.				
Acute Health Effects					
Skin	Substance may cause slight skin irritation.				
Eyes	Contact with eyes may cause irritation				
Inhalation	No known hazard by inhalation.				

Ingestion	May be harmful if swallowed.
Carcinogenic Effects	Carcinogenic effect of the complete mixture has not been evaluated. Information on individual ingredients which may have carcinogenic effects, if any, will be found in Section 3 & 11.
Chronic Health Effects	No known effect.
Aggravated Medical Conditions	No known effect.

See Section 11 for additional toxicological information.

See Section 12 for ecological information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

If any of the components of this product are defined as hazardous by OSHA Hazard Communication Standard 1910.1200 and are present at 1% or more (0.1% or more for carcinogens) or are considered hazardous components according to Canadian WHIMIS standards, they will be listed in this section. If no components appear in this section, no components of the product meet or exceed the reporting requirements.

Hazardous Components

Chemical Name	CAS-No	EINECS	Weight %	IARC	OSHA	NTP Carc	WHMIS
Triethanolamine	102-71-6	203-049-8	1 - 9.99	-	-	-	D2B
Isopropyl alcohol	67-63-0	200-661-7	1 - 9.99			-	B2, D2B

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Inhalation	Move to fresh air.
Ingestion	Call a physician or Poison Control Center immediately. Do not induce vomiting without medical advice. If vomiting occurs, keep head below hips to prevent aspiration.
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable. Product is a water-based emulsion and therefore not flammable. However, if water evaporates during a fire the non-volatile ingredients can burn.
Suitable Extinguishing Media	Water, alcohol-resistant foam
Hazardous Combustion Products	No information available.
Specific Hazards Arising from the Chemical	No information available.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin, eyes and clothing
Methods for Containment	Prevent further leakage or spillage if safe to do so. Use inert absorbent materials to confine spills and absorb spill.
Methods for Clean-up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
Other Information	Report spills as required to the appropriate authorities.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	The table below lists known exposure levels for any components of this product which are considered hazardous. Keep in mind, however, that these exposure levels are for pure concentrations of these ingredients:
----------------------------	--

Chemical Name	ACGIH TLV	OSHA PEL	Quebec OEL	Ontario TWAEV	EU OEL
Triethanolamine	TWA: 5 mg/m ³			TWA: 0.5 ppm TWA: 3.1 mg/m ³	
Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 980 mg/m ³ STEL: 1225 mg/m ³ STEL: 500 ppm	STEL: 1230 mg/m ³ STEL: 500 ppm TWA: 400 ppm TWA: 985 mg/m ³	STEL: 400 ppm TWA: 200 ppm	

Engineering Controls	Use in well-ventilated area. If user operations generate mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below TLV TWA: 5 mg/m ³ and TLV STEL: 10 mg/m ³ .
Eye/face Protection	Safety glasses with side-shields
Skin Protection	Use protective gloves and clothing if contact with product is likely
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. If personal exposure levels cannot be maintained below recommended exposure limits or if product is applied by spraying, approved respiratory protection should be worn.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green	Odor	Pine
Physical State	Liquid	pH	No data available
Flash Point	Not applicable	Autoignition Temperature	Not applicable
Boiling Point/Range	>100°C	Melting Point/Range	No data available
Flammability Limits in Air, %	Not applicable		
Specific Gravity (Water=1)	1.0	Solubility In Water	Completely soluble
Vapor Density (Air=1)	No data available	Volatiles, % Vol	>78

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Conditions to Avoid	Keep away from open flames, hot surfaces and sources of ignition
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	None known.
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Toxicity of this complete mixture has not been evaluated. If information is available on any of the individual components of the mixture, it is presented in this section. If no information appears in this section, there is no toxicological information available for any of the components of the mixture.

Acute Toxicity The table below indicates toxicological information for specific ingredients at concentrations indicated. If no table appears, no toxicological information was found.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Triethanolamine	4190 mg/kg (Rat)	2000 mg/kg (Rabbit)	
Isopropyl alcohol	4396 mg/kg (Rat)	12800 mg/kg (Rabbit) 12800 mg/kg (Rat)	72.6 mg/L (Rat) 4 h

Chronic Toxicity No known effect.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. If no table appears, no toxicological information was found.

Chemical Name	ACGIH	IARC	NTP Carc	OSHA
Isopropyl alcohol				

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity and biodegradability of this complete mixture have not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water and should not be considered readily biodegradable. If information is available on any of the individual components of the mixture, it is presented in this section. If no information appears in this section, there is no ecotoxicity or biodegradability information available for any of the components of the mixture.

Chemical Name	Freshwater Algae	Microtox	Water Flea	DOT Marine Pollutant
---------------	------------------	----------	------------	----------------------

Triethanolamine	EC50 = 169 mg/L 96 h EC50 = 216 mg/L 72 h	EC50 > 10000 mg/L 30 min	EC50 = 1386 mg/L 24 h	
Isopropyl alcohol	EC50 > 1000 mg/L 72 h EC50 > 1000 mg/L 96 h	EC50 = 35390 mg/L 5 min	EC50 = 13299 mg/L 48 h	

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of contents/container in accordance with local regulation

Chemical Name	California Hazardous Waste Status
Isopropyl alcohol	Toxic, Ignitable

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

U.S. Regulations & Inventories The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	CAS-No	TSCA	TSCA 12(b)	CERCLA/SARA 313 (de minimis concentration)	SARA Hazardous Substance Required Qty
Triethanolamine	102-71-6	Present	-	-	-
Isopropyl alcohol	67-63-0	Present	-	1.0 %	-

U.S. State Right-to-Know Regulations The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	Calif. Prop. 65	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Triethanolamine		X		X	X
Isopropyl alcohol		X	X	X	X

Canada Regulations & Inventories The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	CAS-No	DSL	NDSL	WHMIS
Triethanolamine	102-71-6	X	-	D2B
Isopropyl alcohol	67-63-0	X	-	B2, D2B

This product has been classified in accordance with the hazard criteria of the Canadian CPR (Controlled Products Regulations) and the MSDS contains all the information required by the CPR.

International Regulations & Inventories The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the inventories referenced or are exempt from listing. See Section 16 for explanation of column headings:

Chemical Name	EINECS	AICS	CHINA	ENCS	PICCS
Triethanolamine	203-049-8	X	X	X	X
Isopropyl alcohol	200-661-7	X	X	X	X

16. OTHER INFORMATION

Regulatory Lists Searched & Other Sources of Information

ACGIH - American Conference of Governmental Industrial Hygienists
 ADN - European Agreement for International Carriage of Dangerous Goods by Inland Waterways
 ADR - European Agreement for International Carriage of Dangerous Goods by Road
 AICS - Australian Inventory of Chemical Substances
 ANSI - American National Standards Institute
 CAP65 - California Proposition 65 Hazard List
 CAS - Chemical Abstract Services
 CERCLA - Comprehensive Environmental Response, Compensation & Liability Act
 CHINA - China Inventory
 CPR - Canadian Controlled Products Regulations
 DOT - United States Department of Transportation
 DSL - Canada Domestic Substances List
 EINECS - European Union (EU) European Inventory of Existing Commercial Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IARC - International Agency for Research on Cancer
 IATA - International Air Transport Association
 ICAO - International Civil Aviation Organization
 IMDG - International Maritime Dangerous Goods Code
 MARTK - Massachusetts Right To Know List
 NDSL - Canada Non-Domestic Substances List
 NFPA - United States National Fire Protection Association
 NIOSH - United States National Institute for Occupational Safety & Health
 NJRTK - New Jersey Right To Know List
 NTP - United States National Toxicology Program
 OSHA - United States Occupational Safety & Health Administration
 PARTK - Pennsylvania Right To Know List
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 RCRA - United States Resources Conservation & Recovery Act
 RID - European Agreement for International Carriage of Dangerous Goods by Rail
 RIHSL - Rhode Island Hazardous Substance List
 SARA - United States Superfund Amendments & Reauthorization Act
 TDG - Canada Transportation of Dangerous Goods Act

TSCA - US Toxic Substances Control Act
WHMIS - Canada Workplace Hazardous Materials Information System

Definitions

EC50 - Effective Concentration (Concentration of a compound where 50% of the expected effect is observed.)
LC50 - Lethal Concentration (The concentration in water that will kill 50% of the test animals within a specific period of time, usually 96 hours.)
LD50 - Lethal Dose (The single dose that will kill 50% of the test animals by any route other than inhalation such as by ingestion or skin contact.)
OEL - Occupational Exposure Limit
PEL - Permissible Exposure Limits
STEL - Short Term Exposure Limit
TLV - Threshold Limit Value
TWA - Time Weighted Average
TWAEV - Time Weighted Average Exposure Value

Revision Date 18-Sep-2006

End of MSDS