

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	POLSOL
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2365
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Industrial Multipurpose Solvent
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2365.04
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2016-02-02

REPLACES MSDS VERSION DATED: 2015-04-17 and all prior revisions

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Health	Serious eye damage /eye irritation	1
	Skin corrosion/irritation	1 B
	Acute toxicity	Dermal 4
	Acute toxicity	Inhalation 4
	Acute toxicity	Oral 4
Environmental	Hazards to the aquatic environment	Chronic 3
Physical	Flammable liquids	4
Label elements		



Signal word

DANGER

Hazard statements

H318 - Causes serious eye damage
H314 - Causes severe skin burns and eye damage
H412 - Harmful to aquatic life with long lasting effects
H227 - Combustible liquid
H312 - Harmful in contact with skin
H332 - Harmful if inhaled
H302 - Harmful if swallowed

Precautionary statements

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Dioxalane	646-06-0	5
Ethanolamine	141-43-5	5-10

SECTION 4: FIRST AID MEASURES

Inhalation	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact	Promptly flush skin with water until all chemical is removed.
Eye contact	Flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Contact a physician if redness persists

Ingestion Give 1-2 glasses of water. Do not induce vomiting. Get medical advice. Do not give anything by mouth to an unconscious or convulsing person.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point >200°F (93°C)

Flash Point Method N/A

Extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media Not applicable

Hazardous combustion products Not applicable

Special exposure hazards None

Special protective equipment Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Use appropriate protective equipment. (See Section 8.) Do not get into eyes, skin, or clothing. Wear respiratory protection. Avoid breathing vapors. Ensure adequate ventilation.

Environmental Precautionary Measures: Do not empty into drains.

Methods and Materials for Containment and Cleanup: Soak up residue with an absorbent such as clay or sand. Place in a nonleaking container for proper disposal according to Federal, State, and Local regulations. Do not discharge into waterways or sewage systems.

SECTION 7: HANDLING AND STORAGE

Handling Use in a well-ventilated area. Do not breathe vapors. Do not get on skin, eyes, or clothing.

Storage Keep from freezing. Store between 50 and 80 degrees F (10 -27 degrees C). Keep container closed and in a well-ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use in well ventilated area.

Personal Protective Equipment: Safety Glasses, Gloves

Dioxolane	69460-06-0	5%
Components with workplace control parameters		
TWA	20 ppm	USA ACGIH Threshold Limit Values (TLV)
Hematologic effects		
Ethanolamine	141-43-5	5-10%
Components with workplace control parameters		
TWA	3 ppm	USA ACGIH Threshold Limit Values (TLV)
Skin & eye irritation		
STEL	6 ppm	USA ACGIH Threshold Limit Values (TLV)
Skin & eye irritation		
TWA	3 ppm 8 mg/m ³	USA OSHA-TABLE Z-1 Limits for Air Contaminants – 1910.1000
STEL	6 ppm 15 mg/m ³	USA OSHA-TABLE Z-1 Limits for Air Contaminants – 1910.1000
TWA	3 ppm 6 mg/m ³	USA Occupational Exposure Limits (OSHA)-Table Z-1 Limits for air contaminants

The value in mg/mg is approximate

STEL	6 ppm 15 mg/m ³	USA OSHA-TABLE Z-1 Limits for Air Contaminants – 1910.1000
TWA	3 ppm 8 mg/m ³	USA NIOSH Recommended Exposure Limits
STEL	6 ppm 15 mg/m ³	USA NIOSH Recommended Exposure Limits

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Clear liquid
Physical State	Liquid
Odor	Solvent
Flash point	>200°F (93°C)
Flammability	Not available
Partition Coefficient	Not available
Boiling point	212°F (100°C)
Melting point/freezing point	Not available
Auto-ignition temperature	Not available
Vapor pressure	Not available
Vapor density (Air-1)	Not available
Specific gravity/Density	1.02
Viscosity	Not available
Water solubility	Soluble in water
pH	12.5
Evaporation rate (Water=1)	1
Decomp Temp	Not available

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable
Conditions to avoid	Open flame and heat; freezing
Materials to avoid	Strong oxidizing agents
Hazardous decomposition	Carbon dioxide, carbon monoxide
Hazardous polymerization	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Dioxolane	646-06-0	5%
Information on toxicological effects		
Acute toxicity	LD50 Oral-rat	3,000 mg/kg
Inhalation	LC50 Inhalation-rat – 4 h	20,650 mg/m ³
Dermal	LD50 dermal-rat	15,000 mg/kg
Skin corrosion/irritation	No data available	
Serious eye damage/eye irritation	No data available	
Respiratory or skin sensitization	No data available	
Germ cell mutagenicity	Genpototoxicity in vivo- rat – Intraperitoneal DNA damage	

Carcinogenicity	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.	
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.	
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	
NTP	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.	
OSHA	No data available.	
Reproductive toxicity	No data available.	
Teratogenicity	No data available.	
Specific target organ toxicity	Single Exposure-No data available	Repeated Exposure-No data available
Aspiration hazard	No data available	
Potential health effects	Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.	
Signs and symptoms of exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	
Synergistic effects	No data available.	
Carcinogenicity	Not considered a carcinogen according to NTP, IARC, or OSHA.	
Additional Information	RTECS: JH6760000	
Ethanolamine	141-43-5	5-10%
Information on toxicological effects		
Acute toxicity	LD50 Oral-rat	1,720 mg/kg
Inhalation	Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.	
Dermal	LD50 dermal-rabbit	1,015 mg/kg
Skin corrosion/irritation	No data available	
Serious eye damage/eye irritation	Eyes-rabbit	Result-Severe eye irritation
Respiratory or skin sensitization	No data available	
Germ cell mutagenicity	No data available	
Carcinogenicity	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.	
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.	
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	
NTP	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.	
OSHA	No data available.	
Reproductive toxicity	No data available.	
Specific target organ toxicity	Single Exposure-No data available	Repeated Exposure-No data available
Aspiration hazard	No data available	
Additional Information	RTECS: KJ5775000	
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.		
Liver - Irregularities - Based on Human Evidence		

SECTION 12: ECOLOGICAL INFORMATION

Dioxolane	646-06-0	5%
Information on ecological effects		
Toxicity to fish LC50	Cyprinodon variegates (sheepshead minnow)	8,294 – 12,057 mg/l – 96 h
Toxicity to daphnia EC50 And other aquatic invertebrates	Daphnia magna (Water flea)	6,203 – 7,787 mg/l – 48h
Persistence and degradability	No data available	
Bio-accumulative potential	No data available	
Mobility in soil	No data available	
PBT and vPvB assessment	No data available	
Other adverse effects		
Ethanolamine	141-43-5	5-10%
Information on ecological effects		
Toxicity to fish LC50	Pimephales promelas (fathead minnow)	227 mg/l – 96 h
Toxicity to daphnia EC50 And other aquatic invertebrates	Daphnia magna (Water flea)	65 mg/l – 48h
Toxicity to algae EC50	Desmodesmus subspicatus (green algae)	15 mg/l – 72h
Persistence and degradability	No data available	
Bio-accumulative potential	No data available	
Mobility in soil	No data available	
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.	
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.	

SECTION 13: DISPOSAL CONSIDERATIONS

Empty Containers: If empty container retains product residue, all label precautions must be observed. Dispose of unused product prior to disposing of empty container.

Disposal Considerations of Substance: Do not discharge into waterways or sewage systems. Transport with all closures in place. Return for reuse or dispose of according to national, local, and state regulations.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION FOR QUANTITIES GREATER THAN 5 LITERS PER CONTAINER.	UN 2491, Ethanolamine or Ethanolamine solutions, 8, PGIII
DOT INFORMATION FOR QUANTITIES LESS THAN 5.0 LITERS PER JUG:	Limited Quantity
Marine Pollutant	No

SECTION 15: REGULATORY INFORMATION

COMPONENT	(CAS/PERC)		CODES
Dioxolane	646-06-0	5%	Hap, MASS, PA, TSCA
Ethanolamine	141-43-5	5-10%	HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY CODE DESCRIPTIONS

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

OSHA = OSHA Workplace Air Contaminants

TXAIR = TX Air Contaminants with Health Effects Screening Level

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1

Important Note: *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

End of SDS
