

# SAFETY DATA SHEET.

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Version 1.03

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product name** 5557-0 AIR BRAKE CONDITIONER

**Recommended use of the chemical and restrictions on use**

**Product code** F01985

**Product Type** Highly Flammable Liquid and Vapor  
**Synonyms** None

**Supplier's details**

**Recommended Use** AIR BRAKE CONDITIONER.  
**Uses advised against** No information available

**Manufactured For:**  
Imperial Supplies LLC  
789 Armed Forces Drive  
P.O. Box 11008  
Green Bay, WI 53407-1008  
1-800-558-2808

**Emergency telephone number**  
**Chemical Emergency Phone Number** Chemtrec 1-800-424-9300  
**Emergency telephone** 1-800-558-2808



**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed.  
Keep cool.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None

**Other information**

0% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

\*\*\* EMERGENCY OVERVIEW \*\*\*: Harmful if absorbed through skin. Poison! Vapor harmful. May be fatal if swallowed or cause blindness. Harmful if inhaled or absorbed through skin. Cannot be made nonpoisonous. Compositions containing >4% methanol must be labeled with skull & crossbones and bear the warning "Poison - cannot be made nonpoisonous. May be fatal or cause blindness if swallowed.".

Chemical Name	CAS-No	Weight %*
METHANOL	67-56-1	90-100
POLYETHYLENE GLYCOL	25322-68-3	0.1-1

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

<b>General advice</b>	Avoid contact with eyes, skin, and clothing. Avoid breathing vapors.
<b>Eye contact</b>	Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. Seek immediate medical attention/advice. If symptoms persist, call a physician.
<b>Skin contact</b>	Immediate medical attention is required. Remove and wash contaminated clothing before re-use. Wash off with soap and plenty of water. Rinse immediately with plenty of water for 15 minutes and seek medical advice if skin irritation persists.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. Artificial respiration and/or oxygen may be necessary. If breathing has stopped, contact emergency medical services immediately.
<b>Ingestion</b>	Call a physician or Poison Control Center immediately. Rinse mouth. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

**Most important symptoms/effects, acute and delayed**

**Main Symptoms** Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes damage to target organs.

**Indication of immediate medical attention and special treatment needed, if necessary**

Notes to physician Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Water fog. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Cool containers/tanks with water spray. Water Fog, Carbon Dioxide (CO<sub>2</sub>), Foam, Dry Chemical .

**Unsuitable Extinguishing Media** Keep away from heat and sources of ignition. Do not smoke. Cool containers / tanks with water spray. Do not use a solid water stream as it may scatter and spread fire.

### **Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition. Extremely Flammable / Flammable. Keep product and empty container away from heat and sources of ignition. Risk of ignition. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

### **Explosion Data**

**Sensitivity to Mechanical Impact** none.

**Sensitivity to Static Discharge** Yes.

### **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, protective equipment and emergency procedures**

**Personal precautions** Use with adequate ventilation to keep the exposure levels below the OELS. Follow safe handling advice and personal protective equipment recommendations.

### **Environmental precautions**

**Environmental precautions** Vapors can accumulate in low areas. Do not allow material to contaminate ground water system. Prevent product from entering drains. Should not be released into the environment. Report spills as required by local and federal regulations.

### **Methods and materials for containment and cleaning up**

**Methods for Containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

**Methods for cleaning up** Soak up with inert absorbent material. Contain liquid and collect with an inert, non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly . After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

**Advice on safe handling** Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Do not eat, drink, or smoke, when using this product. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces, and sources of ignition. Take precautionary measures against static discharges.

### **Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up. Keep cool. Protect from sunlight.

**Incompatible products** Strong acids, alkalis, oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
METHANOL 67-56-1	STEL: 250 ppm TWA: 200 ppm Skin - potential significant contribution to overall exposure by the cutaneous route	TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m <sup>3</sup> (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m <sup>3</sup> (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m <sup>3</sup> STEL: 250 ppm STEL: 325 mg/m <sup>3</sup>

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Exposure controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and body protection** Chemical resistant apron. Protective gloves.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Solvent
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
<b>pH</b>	No information available	
<b>Melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>		
<b>Flash Point</b>	12 °C / 54 °F	(based on components)
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		

upper flammability limit  
 lower flammability limit  
 Vapor pressure  
 Vapor density  
 Specific Gravity 0.794  
 Water solubility Negligible  
 Partition coefficient: n-octanol/water  
 Autoignition temperature No information available  
 Decomposition temperature  
 Viscosity No information available  
 Explosive properties

**Other information**

VOC Content(%) 99.05

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

Strong acids, alkalis, oxidizing agents.

**Hazardous Decomposition Products**

Carbon oxides , Hydrocarbons, Fumes.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Toxic by inhalation.
<b>Eye contact</b>	Eye irritation may occur if excessive exposure to product occurs.
<b>Skin contact</b>	Avoid contact with skin. Toxic in contact with skin.
<b>Ingestion</b>	Toxic if swallowed.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
METHANOL 67-56-1	= 6200 mg/kg ( Rat )	-	= 22500 ppm ( Rat ) 8 h
POLYETHYLENE GLYCOL 25322-68-3	= 22 g/kg ( Rat )	> 20 mL/kg ( Rabbit )	-

**Information on toxicological effects**

**Symptoms** Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes damage to target organs.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Eye damage/irritation</b>	Under normal conditions there is no eye irritation . Excessive conditions to product may cause eye irritation.
<b>Sensitization</b>	Not a known sensitizer.
<b>Germ Cell Mutagenicity</b>	Not a germ cell mutagen.
<b>Carcinogenicity</b>	There are no carcinogenic chemicals in this product.
<b>Reproductive toxicity</b>	This product contains a chemical(s) which is a known or suspected reproductive hazard .
<b>Specific target organ systemic toxicity (single exposure)</b>	Causes damage to Target Organs listed below.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	May cause damage to target organs listed below through prolonged or repeated exposure.
<b>Chronic toxicity</b>	Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.
<b>Target Organ Effects</b>	Eyes, Skin, Respiratory System, Central Nervous System, Gastrointestinal Tract.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

**Numerical measures of toxicity - Product Information**

<b>Unknown Acute Toxicity</b>	0% of the mixture consists of ingredient(s) of unknown toxicity.
<b>The following values are calculated based on chapter 3.1 of the GHS document .</b>	
<b>ATEmix (oral)</b>	101 mg/kg
<b>ATEmix (dermal)</b>	303 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	0.5 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
METHANOL 67-56-1	-	28200 mg/L LC50 Pimephales promelas 96h flow-through 100 mg/L LC50 Pimephales promelas 96h static 19500 - 20700 mg/L LC50 Oncorhynchus mykiss 96h flow-through 18 - 20 mL/L LC50 Oncorhynchus mykiss 96h static 13500 - 17600 mg/L LC50 Lepomis macrochirus 96h flow-through	-	-

**Persistence and degradability**

**Bioaccumulation**

Chemical Name	log Pow
METHANOL 67-56-1	-0.77

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

<b>Waste Disposal Methods</b>	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.
<b>Contaminated packaging</b>	Do not re-use empty containers.

#### 14. TRANSPORT INFORMATION

<b>DOT Ground</b>	CONSUMER COMMODITY ORM-D or LIMITED QUANTITY
<b>IATA</b>	UN1230, METHANOL, 3 (6.1), PG II, LIMITED QUANTITY
<b>IMDG</b>	UN1230, METHANOL, 3 (6.1), PG II, LIMITED QUANTITY

#### 15. REGULATORY INFORMATION

**SCHEDULE B CODE: 3820.00.0000.**

##### International Inventories

Chemical Name	TSCA	DSL/NDL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
METHANOL	X	X	X	X	X	X	X	X
POLYETHYLENE GLYCOL	X	X	X	X	X	X	X	X

##### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

##### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
METHANOL - 67-56-1	67-56-1	90-100	1.0

##### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Star Hazard</b>	Yes
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	no

Reactive Hazard no

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
METHANOL 67-56-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Chemical Name	California Prop. 65
METHANOL - 67-56-1	Developmental 90-100%

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
METHANOL 67-56-1	X	X	X

EPA Pesticide Registration Number Not applicable

**Canada**

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

**WHMIS Hazard Class**

- B2 Flammable liquid
- D1A Very toxic materials
- D2B Toxic materials

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 4</b>	<b>Instability 0</b>	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard 2*</b>	<b>Flammability 4</b>	<b>Physical Hazard 1</b>	<b>Personal protection B</b>
<i>Chronic Hazard Star Legend</i>		<i>Chronic Health Star Hazard Repeated or prolonged exposure may cause central nervous system damage</i>		

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<b>Prepared By</b>	Regulatory Affairs
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<b>Revision Note</b>	

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**