

# Ar-Chem Ag Foam Tank Anti-Freeze

## Safety Data Sheet



### SECTION 1: Product and company identification

Substance name : Ar-Chem Ag Foam Tank Anti-Freeze  
Use of the substance/mixture : Anti-freezing agent  
Product code : 065076  
Company : Share Corporation  
P.O. Box 245013  
Milwaukee, WI 53224 - USA  
T (414) 355-4000  
Emergency number : Chemtrec: (800) 424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 2 H225  
Acute Tox. 3 (Oral) H301  
Acute Tox. 3 (Dermal) H311  
Acute Tox. 2 (Inhalation:dust,mist) H330  
STOT SE 1 H370

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Highly flammable liquid and vapor  
Toxic if swallowed or in contact with skin  
Fatal if inhaled  
Causes damage to organs

Precautionary statements (GHS-US) :

Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical, lighting equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Do not breathe mist, spray, vapors  
Wash thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Wear eye protection, protective clothing, protective gloves  
In case of inadequate ventilation wear respiratory protection.  
If swallowed: Immediately call a doctor, a POISON CENTER  
If on skin: Wash with plenty of water  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
If inhaled: Remove person to fresh air and keep comfortable for breathing  
If exposed: Call a poison center/doctor  
Immediately call a doctor, a POISON CENTER  
Call a doctor, a POISON CENTER if you feel unwell  
Specific treatment is urgent (see First aid measures on this label)  
Specific treatment (see First aid measures on this label)  
Rinse mouth  
Take off immediately all contaminated clothing  
Wash contaminated clothing before reuse  
In case of fire: Use alcohol resistant foam, dry extinguishing powder, carbon dioxide (CO2) to extinguish  
Store in a well-ventilated place. Keep container tightly closed  
Store in a well-ventilated place. Keep cool  
Store locked up  
Dispose of contents/container to comply with local/regional/national/international regulations

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### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substance

Name : Gas Line Anti-Freeze

Name	Product identifier	%	GHS-US classification
methanol	(CAS No) 67-56-1	85 - 100	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370

Full text of H-phrases: see section 16

### 3.2. Mixture

Not applicable

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Artificial respiration and/or oxygen if necessary. Prompt action is critical. Get immediate medical advice/attention.
- First-aid measures after skin contact : Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. Take victim to a doctor if irritation persists.
- First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician. Prompt action is critical.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Causes damage to organs. Toxic if swallowed, in contact with skin or if inhaled.
- Symptoms/injuries after inhalation : Irritation of the respiratory tract. Nausea. Vomiting. Headache. Dizziness. Fatal if inhaled.
- Symptoms/injuries after skin contact : Toxic in contact with skin. Repeated exposure to this material can result in absorption through skin causing significant health hazard. Contact during a long period may cause light irritation.
- Symptoms/injuries after eye contact : Direct contact with the eyes is likely irritating.
- Symptoms/injuries after ingestion : Toxic if swallowed. Gastrointestinal complaints. Dizziness. Drunkenness. Feeling of weakness. Central nervous system depression.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may be delayed. Keep watching the victim. This material contains methanol, which, when ingested, has cardiac acidosis, ocular toxicity ranging from diminished visual capacity to complete blindness, and death.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder. Carbon dioxide. Alcohol-resistant foam. Water spray.
- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable. Under fire conditions closed containers may rupture or explode. Contact with active metals may produce flammable hydrogen gas. Gas/vapour flammable with air within explosion limits.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Vapors may travel long distances along ground before igniting/flashing back to vapor source.
- Reactivity : Upon combustion: CO and CO<sub>2</sub> are formed.

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### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. Cool tanks/drums with water spray/remove them into safety. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Avoid (reject) fire-fighting water to enter environment. Move containers away from the fire area if this can be done without risk.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use special care to avoid static electric charges. Eliminate every possible source of ignition.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Protective goggles. Gloves. Protective clothing. Ventilate the area thoroughly, especially low lying areas (basements, work pits etc.).
- Emergency procedures : Evacuate unnecessary personnel. No naked flames or sparks.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Advise local authorities if considered necessary.

### 6.3. Methods and material for containment and cleaning up

- For containment : Contain released substance, pump into suitable containers. Eliminate every possible source of ignition.
- Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation. Take up liquid spill into inert absorbent material, e.g.: sand/earth. Clean contaminated surfaces with a soap solution.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : In use, may form flammable vapor-air mixture. Keep away from heat, sparks and flame. Store in dry, cool area.
- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Use only non-sparking tools. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Eliminate all ignition sources if safe to do so. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. Take precautionary measures against static discharge. Handle and open the container with care. Handle uncleaned empty containers as full ones.
- Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Provide local exhaust or general room ventilation. Use only non-sparking tools.
- Storage conditions : Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from: sparks, open flames, excessive heat. Store in a well-ventilated place. Keep cool. Store in a dry place.
- Incompatible products : Oxidizing agent.
- Incompatible materials : Sources of ignition. Heat sources.
- Storage area : Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place. Keep locked up.
- Special rules on packaging : Keep only in original container. meet the legal requirements.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

methanol (67-56-1)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	250 ppm
ACGIH	Remark (ACGIH)	Headache; eye dam; dizziness; nausea

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### methanol (67-56-1)

OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	200 ppm

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Personal protective equipment : Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Protective goggles. Safety glasses.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, colorless liquid.
Odor	: Alcohol odour
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 148.5 °F
Flash point	: 52 °F Open Cup
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 0.81 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
VOC content	: 100 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Upon combustion: CO and CO<sub>2</sub> are formed.

### 10.2. Chemical stability

Highly flammable liquid and vapor. Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Strong oxidizing agents. aluminum. reactive metals (Al, K, Zn ...).

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### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation:dust,mist: Fatal if inhaled.

<b>methanol (67-56-1)</b>	
LD50 dermal rabbit	12800 mg/kg
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (vapors)	128.200 mg/l/4h
ATE CLP (dust, mist)	0.500 mg/l/4h

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Causes damage to organs.  
Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified  
Symptoms/injuries after inhalation : Irritation of the respiratory tract. Nausea. Vomiting. Headache. Dizziness. Fatal if inhaled.  
Symptoms/injuries after skin contact : Toxic in contact with skin. Repeated exposure to this material can result in absorption through skin causing significant health hazard. Contact during a long period may cause light irritation.  
Symptoms/injuries after eye contact : Direct contact with the eyes is likely irritating.  
Symptoms/injuries after ingestion : Toxic if swallowed. Gastrointestinal complaints. Dizziness. Drunkenness. Feeling of weakness. Central nervous system depression.  
Likely routes of exposure : Skin and eyes contact;Inhalation;Ingestion

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container to comply with local/regional/national regulations.

## SECTION 14: Transport information

### Department of Transportation (DOT)

Transport document description : UN1230 Methanol, 3, II  
UN-No.(DOT) : UN1230  
Proper Shipping Name (DOT) : Methanol  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : II - Medium Danger  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202

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DOT Packaging Bulk (49 CFR 173.xxx) : 242  
 DOT Symbols : D - Proper shipping name for domestic use only, or to and from Canada  
 DOT Special Provisions (49 CFR 172.102) : IB2,T7,TP2  
 DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
 DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 1 L  
 DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L  
 DOT Vessel Stowage Location : B  
 DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

### Additional information

Other information : No supplementary information available.

### ADR

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

methanol	CAS No 67-56-1	85 - 100%
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methanol (67-56-1)	
Listed on SARA Section 313 (Specific toxic chemical listings)	
CERCLA RQ	5000 lb

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm.

## SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

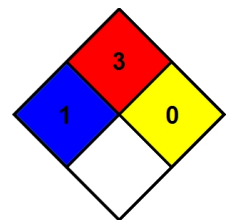
Full text of H-phrases:

H225	Highly flammable liquid and vapor
H301	Toxic if swallowed
H311	Toxic in contact with skin
H330	Fatal if inhaled
H331	Toxic if inhaled
H370	Causes damage to organs

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.*