



SAFETY DATA SHEET

Issue Date: 01-Jun-2010

Revision Date: 12-May-2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name PipeSafe/Pipeguard 1-100%

Other means of identification

SDS # PG1-100

Other Information Package type: 1, 5, 55 gal.

Recommended use of the chemical and restrictions on use

Recommended Use Propylene Glycol based anti-freeze.

Restrictions on Use For Professional use only.

Details of the supplier of the safety data sheet

Manufacturer Address

Atlantic Chemical & Equipment Company
3471 Atlanta Industrial Parkway
Suite 200
Atlanta, GA 30331 USA

Emergency telephone number

Company Phone Number 404-505-6626
1-800-929-2436

Emergency Telephone Chemtrec 1-800-424-9300 (USA) 1-800-567-7455 (International)

2. HAZARDS IDENTIFICATION

Classification

Serious eye damage/eye irritation

Category 2B

Signal Word

Warning

Hazard Statements

Causes eye irritation

Appearance Clear liquid

Physical State Liquid

Odor Slight glycol odor

Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

Precautionary Statements – Storage

Keep container tightly closed in a cool area. Store locked up.

Precautionary Statements – Disposal

Dispose of in accordance with federal, state and local regulations

Hazards not otherwise classified (HNOC)

Causes mild skin irritation

Other Information

Not Applicable

3. COMPOSTION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Propylene Glycol	57-55-6	<99

4. FIRST AID MEASURES

First aid measures

General Advice	Provide this SDS to medical personnel for treatment.
Inhalation	Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Drink plenty of water. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek medical attention immediately.
Skin Contact	Wash off immediately with plenty of water. Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms	May cause skin and eye irritation. May cause nausea, vomiting, stomach ache, and diarrhea.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined

Specific hazards arising from the chemical

Avoid mixing with oxidizers.

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 personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions Do not empty into drains.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth).

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Keep container tightly closed in a dry and well-ventilated place.

Incompatible materials Oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines**Appropriate engineering controls**

Engineering Controls If vapors are detected, ventilate work area by opening windows and using exhaust fans. Always work with wind from behind.

Individual protection measures, such as personal protective equipment

Eye/face Protection Wear goggles or chemical safety glasses.

Skin and Body Protection Wear suitable protective clothing and footwear appropriate for the risk of exposure. Wear protective Neoprene™ gloves.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Slight glycol
Appearance	Clear liquid	Odor threshold	Not determined
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting point/freezing point	Not determined	
Flash point	Not determined	
Evaporation rate	Not determined	
Flammability (solid, gas)	Not determined	
Flammability Limits in Air	Not determined	
Upper flammability limits	Not determined	
Lower flammability limits	Not determined	
Vapor pressure	Not determined	
Vapor density	Not determined	
Specific gravity	1.038	
Water solubility	Not determined	
Solubility in other solvents	Not determined	
Partition in other solvents	Not determined	
Partition coefficient	Not determined	
Autoignition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic viscosity	Not determined	
Explosive properties	Not determined	
Oxidizing properties	Not determined	

Other Information

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Keep out of reach of children. Contact with incompatible materials.

Incompatible materials

Oxidizers.

Hazardous decomposition products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Avoid breathing vapors or mists.
Eye Contact	Causes eye irritation.
Skin Contact	Causes mild skin irritation.
Ingestion	May cause nausea, vomiting, stomach ache, and diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol 57-55-6	=20000 mg/kg (Rat)	=20800 mg/kg (Rabbit)	-
Water 7732-18-5	>90 mL/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

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

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity – Product

Not determined

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	21277 mg/kg
ATEmix (dermal)	22124 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Propylene Glycol 57-55-6	19000: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	51600: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 41 - 47: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static 51400: 96 h <i>Pimephales promelas</i> mg/L LC50 static 710: 96 h <i>Pimephales promelas</i> mg/L LC50	-	10000: 24 h <i>Daphnia magna</i> mg/L EC50 1000: 48 h <i>Daphnia magna</i> mg/L EC50 Static

Persistence and degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

Not determined

Legend:

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

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

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

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

U.S. Federal Regulations

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

U.S. State Regulations

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propylene Glycol 57-55-6	X	-	X

U.S. EPA Label Information

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
<u>HMIS</u>	Health hazards 1	Flammability 1	Physical hazards 0	Personal protection X

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Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet