



**american gas & chemical co. ltd.**  
 220 PEGASUS AVE  
 NORTHVALE, NEW JERSEY 07647  
 201-767-7300, FAX 201-767-1741

# Safety Data Sheet

Issue Date: 02-Feb-2004

Revision Date: 21-Apr-2022

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Hydrophilic Emulsifier Type II Method D

### Other means of identification

**SDS #** AGC-217

**Product Code** AG-VH

**Other Information** Package type: 1 gal can, 5 gallon pail and 55 gallon drums.

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

**Recommended Use** Hydrophilic Emulsifier for Leak Detection.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

AMERICAN GAS & CHEMICAL COMPANY, LTD  
 220 Pegasus Avenue  
 Northvale NJ 07647

### Emergency Telephone Number

**Company Phone Number** Phone: 201-767-7300 Fax: 201-767-1741

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
 1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear red liquid

**Physical State** Liquid

**Odor** Slight, Mild

### Classification

Acute toxicity - Oral	Category 4
Specific target organ toxicity (repeated exposure)	Category 2

### Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

### Signal Word

**Warning**



### Hazard Statements

Harmful if swallowed

May cause damage to organs through prolonged or repeated exposure

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray

### Precautionary Statements - Response

Get medical advice/attention if you feel unwell

IF SWALLOWED: Call a poison center or doctor/physician

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethoxylated Nonylphenol	9016-45-9	85
Diethylene Glycol Monobutyl Ether	112-34-5	10
Diethylene glycol	111-46-6	5

### 4. FIRST-AID MEASURES

#### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician.
<b>Skin Contact</b>	In case of contact, wash skin thoroughly with soap and water. Remove any contaminated clothing and wash before reuse. If symptoms persist, call a physician.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Induce vomiting, but only if victim is fully conscious. Call a physician or poison control center immediately.

#### Most important symptoms and effects

<b>Symptoms</b>	May cause temporary reddening of the skin. Causes moderate eye irritation.
-----------------	----------------------------------------------------------------------------

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

<b>Notes to Physician</b>	Treat symptomatically.
---------------------------	------------------------

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use water spray, dry chemical, alcohol foam or CO<sub>2</sub>.

**Unsuitable Extinguishing Media** Not determined.

#### Specific Hazards Arising from the Chemical

Product is combustible & may ignite if exposed to high temperature or direct flame.

#### 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. Cool exposed containers with water spray. Avoid breathing vapor or fumes.

### 6. ACCIDENTAL RELEASE MEASURES

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

<b>Personal Precautions</b>	Remove all ignition sources. Recover free liquid. Ventilate confined spaces. At very low concentrations (less than 10 ppm), this material can be biodegraded in a biological wastewater treatment plant; at higher concentrations, it causes severe foaming problems.
<b>For Emergency Responders</b>	Follow applicable OSHA regulations (29 CFR 1910.120).
<b>Environmental Precautions</b>	This product is highly toxic to fish. Avoid discharge to natural waters. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

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

<b>Methods for Containment</b>	Absorb with appropriate inert material such as sand, clay, etc.
<b>Methods for Clean-Up</b>	Sweep up absorbed material and shovel into suitable containers for disposal. Large spills may be picked up by using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. 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. Avoid contact with skin, eyes or clothing. Wear protective gloves/protective clothing. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray.

### Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Keep container tightly closed and store in a cool, dry and well-ventilated place.

#### **Incompatible Materials**

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### Appropriate engineering controls

##### **Engineering Controls**

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

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

##### **Eye/Face Protection**

Safety glasses.

##### **Skin and Body Protection**

Impervious rubber gloves.

##### **Respiratory Protection**

Ensure adequate ventilation, especially in confined areas.

##### **General Hygiene Considerations**

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Slight, Mild
<b>Appearance</b>	Clear Liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear	<b>Remarks • Method</b>	
<b>Property</b>	<b>Values</b>		
<b>pH</b>	None		
<b>Melting Point/Freezing Point</b>	Not determined		
<b>Boiling Point/Boiling Range</b>	227.22°C / 441°F		
<b>Flash Point</b>	133.33°C / 272°F	(ASTM D-93 / PMCC)	
<b>Evaporation Rate</b>	Not determined		
<b>Flammability (Solid, Gas)</b>	Not determined		
<b>Upper Flammability Limits</b>	Not determined		
<b>Lower Flammability Limit</b>	Not determined		
<b>Vapor Pressure</b>	1.0 mm Hg	@ 68°F (20 ° C)	
<b>Vapor Density</b>	>1	(Air=1)	
<b>Specific Gravity</b>	1.05		
<b>Water Solubility</b>	Soluble in water		
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Auto-ignition Temperature</b>	Not determined		
<b>Decomposition Temperature</b>	Not determined		
<b>Kinematic Viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Not determined		
<b>Oxidizing Properties</b>	Not determined		

## 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.

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Heating in air may produce irritating aldehydes, acids and ketones.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Eye Contact**

May cause temporary irritation on eye contact.

**Skin Contact**

May be harmful in contact with skin.

**Inhalation**

May cause irritation if inhaled.

**Ingestion**

Harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethoxylated Nonylphenol 9016-45-9	= 1310 mg/kg ( Rat )	= 2 mL/kg ( Rabbit )	-
Diethylene Glycol Monobutyl Ether 112-34-5	= 3384 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	-
Diethylene glycol 111-46-6	= 12565 mg/kg ( Rat )	= 11890 mg/kg ( Rabbit )	-

**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**

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

*IARC (International Agency for Research on Cancer)**Group 3 IARC components are "not classifiable as human carcinogens"***STOT - repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

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

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganism	Crustacea
Diethylene Glycol Monobutyl Ether 112-34-5	100: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	1300: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static		2850: 24 h <i>Daphnia magna</i> mg/L EC50 100: 48 h <i>Daphnia magna</i> mg/L EC50
Diethylene glycol 111-46-6		75200: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	EC50 = 29228 mg/L 15 min	84000: 48 h <i>Daphnia magna</i> mg/L EC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Diethylene glycol 111-46-6	-1.98

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

**TSCA** Listed

#### **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 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*

#### US Federal Regulations

#### **SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Diethylene Glycol Monobutyl Ether	112-34-5	10	1.0

#### US State Regulations

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Diethylene Glycol Monobutyl Ether 112-34-5	X		X
Diethylene glycol 111-46-6			X

### 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	1	1	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	1	1	B- Safety Glasses, Gloves

**Issue Date:** 02-Feb-2004  
**Revision Date:** 21-Apr-2022  
**Revision Note:** 3-Year Update

#### Disclaimer

Information in the SDS is provided in good faith, but we assume no liability for its use or misuse. It is furnished without any warranty of merchantability or any other warranty, express or implied. We shall not be liable for any claims, losses or damages of any vendee or third party or for lost profits or any special, indirect, incidental, consequential of exemplary damages, however they arise. Users must make their own investigations to determine suitability.

**End of Safety Data Sheet**