

## Safety Data Sheet

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

**Material Name** : **QUIN SYN PG**  
**Uses** : Mixture.  
**Manufacturer/Supplier** : **Quincy Compressor**  
701 N. Dobson Ave.  
Bay Minette, AL 36507  
US.  
**Telephone** : Please contact the nearest Quincy Compressor office in US: 251.937.5900  
**Emergency Telephone** : Only for transport emergency call Chemtrec: +1 703 527 3887 or within USA:  
800 424 9300.

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### 2. HAZARDS IDENTIFICATION

#### Hazard Classification

**Health Hazards** : Specific Target Organ Toxicity - Category 2 Repeated Exposure

#### Unknown toxicity

Acute toxicity, oral : 0.0 %  
Acute toxicity, dermal : 0.0 %  
Acute toxicity, inhalation, vapor  
: 94.3 %  
Acute toxicity, inhalation, dust or mist  
: 94.2 %

#### Label Elements

**Hazard Symbol** :



**Signal Word** : Warning  
**Hazard Statement** : May cause damage to organs through prolonged or repeated exposure.  
**Precautionary Statement**  
**Prevention** : Do not breathe dust or mists.  
**Response** : Get medical advice/attention if you feel unwell.  
**Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.  
**Other hazards which do not result in GHS classification**  
: None identified.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	Percent by Weight
Polyether polyol	Confidential	60 - 70%
Alkarylamine	68411-46-1	5 - 10%
Barium sulfonate	Confidential	0.1 - 0.5%

**Trade secret information:** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

- General information** : Get medical advice/attention if you feel unwell.
- Ingestion** : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
- Inhalation** : Remove exposed person to fresh air if adverse effects are observed.
- Skin Contact** : Take off contaminated clothing and wash before re-use. Wash with soap and water. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.
- Eye Contact** : Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

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

**Symptoms** : See section 11.

**Indication of immediate medical attention and special treatment needed**

**Treatment** : Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**General Fire Hazards** : Use water to cool containers exposed to fire.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media**

: CO<sub>2</sub>, dry chemical, foam, water spray, water fog.

**Unsuitable extinguishing media**

: Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**

: See section 10 for additional information. Burning may produce irritating, toxic and obnoxious fumes. Container may rupture on heating. Material creates a special hazard because it floats on water.

**Special protective equipment and precautions for firefighters**

**Special firefighting procedures**

: No data available.

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### Special protective equipment for fire-fighters

- : Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots.
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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- : Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.

### Methods and material for containment and cleaning up

- : Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

### Environmental Precautions

- : Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Material will float on water.
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## 7. HANDLING AND STORAGE

### Precautions for safe handling

- : Do not breathe dust/fume/gas/mist/vapors/spray. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid environmental contamination.  
Keep containers closed when not in use. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid breathing dust, fume, gas, mist, vapors or spray. Use grounding and bonding connection when transferring material. Launder contaminated clothing before reuse. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition.

### Maximum Handling Temperature

- : Not determined.

### Conditions for safe storage, including any incompatibilities

- : Store separately from oxidizers. Store in a dry, well-ventilated place. Keep container tightly closed. Do not store in open, unlabeled or mislabeled containers. Store away from incompatible materials. See section 10 for incompatible materials.

### Maximum Storage Temperature

- : Not determined.
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

### Occupational Exposure Limits

- : None of the components have assigned exposure limits

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### Appropriate engineering controls

: Mechanical ventilation or local exhaust ventilation may be required.

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

**General information** : Use personal protective equipment as required.

**Eye/face protection** : If contact is likely, safety glasses with side shields are recommended.

### Skin Protection

**Hand Protection** : Nitrile. Polyvinyl chloride (PVC). Suitable gloves can be recommended by the glove supplier.

**Other** : Long sleeve shirt is recommended. Do not wear rings, watches or similar apparel that could entrap the material.

**Respiratory Protection** : Use respirator with an organic vapor and dust/mist cartridge if the recommended exposure limit is exceeded. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

**Hygiene measures** : Observe good industrial hygiene practices.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

**Physical state** : Liquid

**Form** : liquid

**Color** : Colorless to yellow

**Odor** : Mild

**Odor threshold** : No data available.

**pH** : No data available.

**Freezing point** : No data available.

**Boiling Point** : No data available.

**Flash Point** : > 525.0 °F (273.9 °C) (Cleveland Open Cup)

**Evaporation rate** : No data available.

**Flammability (solid, gas)**: No data available.

### Upper/lower limit on flammability or explosive limits

**Flammability limit - upper (%)**  
: No data available.

**Flammability limit - lower (%)**  
: No data available.

**Explosive limit - upper (%)**  
: No data available.

**Explosive limit - lower (%)**  
: No data available.

**Vapor pressure** : No data available.

**Vapor density** : No data available.

**Relative density** : 0.977 68 °F (20 °C)

### Solubility(ies)

**Solubility in water** : Slightly Soluble

**Solubility (other)** : No data available.

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**Partition coefficient (n-octanol/water)**

: No data available.

**Auto-ignition temperature:** No data available.

**Decomposition temperature**

: No data available.

**Viscosity** : 48.3 mm<sup>2</sup>/s (104 °F (40 °C)) 9.4 mm<sup>2</sup>/s (100 °C (212 °F) )

**Other information**

**Bulk density** : 8.15 lb/gal 77 °F (25 °C)

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### 10. STABILITY AND REACTIVITY

**Reactivity** : No data available.

**Chemical Stability** : Material is stable under normal conditions.

**Possibility of Hazardous Reactions**

: Will not occur.

**Conditions to Avoid** : Do not expose to excessive heat, ignition sources, or oxidizing materials.

**Incompatible Materials** : Avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials that react with hydroxyl compounds.

**Hazardous Decomposition Products**

: Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion Nitrogen Oxides.

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### 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Inhalation** : No data available.

**Ingestion** : May be harmful if swallowed.

**Skin Contact** : Causes mild skin irritation.

**Eye contact** : No data available.

**Information on toxicological effects**

**Acute toxicity**

**Oral**

**Product** : ATEmix > 2000 mg/kg.  
Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.

**Dermal**

**Product** : Not classified for acute toxicity based on available data.

**Inhalation**

**Product** : Not classified for acute toxicity based on available data.

**Skin Corrosion/Irritation :**

**Product** : Not classified as a primary skin irritant.  
Remarks: Prolonged or repeated contact may cause irritation.

**Serious Eye Damage/Eye Irritation:**

**Product** : Remarks: Not classified as a primary eye irritant.

**Respiratory sensitization:** No data available

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**Skin sensitization** :  
Alkarylamine : Classification: Not a skin sensitizer. (Literature) Not a skin sensitizer.  
Barium sulfonate : Classification: May cause sensitization by skin contact. (Literature)

**Specific Target Organ Toxicity - Single Exposure**

Polyether polyol : If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.  
Alkarylamine : If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.  
Barium sulfonate : If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

**Aspiration Hazard** : No data available

**Chronic Effects**

**Carcinogenicity** : No data available

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

: No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens**

: No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

: No carcinogenic components identified

**Germ Cell Mutagenicity** :

Alkarylamine : The Ames Salmonella test for mutagenicity was negative for this product.

**Reproductive toxicity** : No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

Alkarylamine : Repeated overexposure may result in liver and kidney damage. Oral: Target Organ(s): Liver, Kidney

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Fish** :  
Alkarylamine : LC 50 (Zebra Fish, 4 d): > 100 mg/l

**Aquatic Invertebrates** :  
Alkarylamine : EC 50 (Water flea (Daphnia magna), 2 d): 51 mg/l

**Toxicity to Aquatic Plants**  
Alkarylamine : EC 50 (Green algae (Scenedesmus quadricauda), 3 d): > 100 mg/l

**Toxicity to soil dwelling organisms**  
: No data available

**Sediment Toxicity** : No data available

**Toxicity to Terrestrial Plants**  
: No data available

**Toxicity to Above-Ground Organisms**  
: No data available

**Toxicity to microorganisms**  
Alkarylamine : EC 50 (Sludge, 0.1 d): > 100 mg/l



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### Persistence and Degradability

**Biodegradation** :  
Alkarylamine : OECD TG 301 B, 1 %, 28 d, Not readily degradable..

### Bioaccumulative Potential Bioconcentration Factor (BCF)

: No data available

### Partition Coefficient n-octanol / water (log Kow)

: No data available

**Mobility** : No data available

**Other Adverse Effects** : No data available.

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## 13. DISPOSAL CONSIDERATIONS

**Disposal instructions** : Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.  
Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue which may exhibit hazards of product.

**Contaminated Packaging:** Container packaging may exhibit hazards.

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## 14. TRANSPORT INFORMATION

**DOT** : Not regulated.

**IMDG** : Not regulated.

**IATA** : Not regulated

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

: None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Review classification requirements before shipping materials at elevated temperatures.

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## 15. REGULATORY INFORMATION

### US Federal Regulations

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

: None present or none present in regulated quantities.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** : Chronic (Delayed)

#### SARA 302 Extremely Hazardous Substance

#### SARA 304 Emergency Release Notification

#### SARA 311/312 Hazardous Chemical



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### SARA 313 (TRI Reporting)

: This product may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). For additional information please contact Lubrizol Customer Assistance:  
America(s): AmerLZAMCustomerAssistance@Lubrizol.com ;  
Europe: EMEAICustomerAssistance@Lubrizol.com ;  
Asia: APCustomerAssistance@Lubrizol.com

### US State Regulations

#### US. California Proposition 65

: No ingredient regulated by CA Prop 65 present.

### Inventory Status

Australia (AICS): All components are in compliance with chemical notification requirements in Australia.

Canada (DSL/NDSL)  
: All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

China (IECSC) : All components of this product are listed on the Inventory of Existing Chemical Substances in China.

European Union (REACH)  
: To obtain information on the REACH compliance status of this product, please visit [Lubrizol.com/REACH](http://Lubrizol.com/REACH), or e-mail us at [REACH\\_MSDS\\_INQUIRIES@Lubrizol.com](mailto:REACH_MSDS_INQUIRIES@Lubrizol.com)

Japan (ENCS) : All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL) : All components are in compliance in Korea.

New Zealand (NZIoC)  
: All components are in compliance with chemical notification requirements in New Zealand.

Philippines (PICCS)  
: All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

Switzerland (SWISS)  
: All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Taiwan (TCSCA): All components of this product are listed on the Taiwan inventory.

United States (TSCA)  
: All components of this material are on the US TSCA Inventory.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

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## 16. OTHER INFORMATION

HMIS Hazard ID :

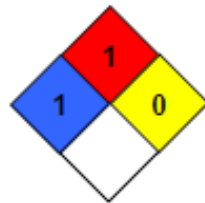


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<b>Health</b>	*	1
<b>Flammability</b>	1	
<b>Physical Hazards</b>	0	

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**NFPA Hazard ID** :



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

- Issue Date** : 03/07/2015
- Version #** : 1.0
- Source of information** : Internal company data and other publically available resources.
- Further Information** : Contact supplier (see Section 1)
- Disclaimer** : As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.