Revision Date: January 2, 2015 Revision Number: 5 supersedes 4

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company

1.1 Product identifier

Product Name: GrandSlam[®] Type Q Subaqueous Pipe Joint Lubricant

Product ID numbers: GSQ-35, GSQ-128, GSQ-448, GSQ-640

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses:Pipe joint lubrication.List of advices against:Not applicable.

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer:

American Polywater Corporation

11222 - 60th Street North Stillwater, MN 55082 USA Tel: 1-651-430-2270

Email: sds@polywater.com

Email: ddd @pory water.com

Polywater Europe BV

Zuidhaven 9-11 Unit B2 4761 CR Zevenbergen

Netherlands

Tel: +31 (0)10 2330578 Email: sds@ polywater.com

1.4 Emergency telephone numbers

INFOTRAC 1-352-323-3500 (USA)

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to OSHA 29 CFR 1910.1200.

This product contains no reportable hazardous components according to US Federal regulations.

Classification according to Regulation (EC) No 1272/2008

This product is not classified as dangerous according to EC criteria.

2.2 Label elements

Pictograms: None required.

Hazard Statements: None required.

2.3 Other hazards: No information available.

3. Composition/Information on Ingredients

This product contains no reportable hazardous components under OSHA 29 CFR 1910.1200 and European Regulation (EC) No 1272/2008.

4. First Aid Measures

4.1 Description of first aid measures

Eye Contact: Flush eyes with a large quantity of water for 15 minutes. If irritation continues,

seek medical attention.

Skin Contact: If skin becomes irritated, wash area thoroughly with soap and water. If irritation

continues, seek medical attention.

Inhalation (Breathing): No first aid expected to be required. Not an inhalation hazard.

Ingestion (Swallowing): No first aid expected to be required. If difficulties arise, contact a physician.

4.2 Most important symptoms and effects, both acute and delayed

Aside from information above, no additional symptoms and effects are anticipated.

4.3 Indication of immediate medical attention and special treatment needed.

No information available.

5. Firefighting Measures

5.1 Extinguishing media:

Does not apply.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition and by-products:

High temperature steam, potentially carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Sealed container can build up pressure when exposed to high heat. Cool containers with water.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Lubricant is extremely slippery. It should be washed, swept, or squeegeed from floor using wet mops.

6.2 Environmental precautions:

Outside, spills should be covered with sand, dirt, gravel or calcium chloride.

6.3 Methods materials for containment and cleaning up:

Oxidizing agents, such as household bleach, can be used to eliminate the slippery character.

6.4 Reference to other sections:

Refer to Sections 4, 5, 8, and 13 for more information.

7. Handling and Storage

7.1 Precautions for safe handling

Avoid spills and clean them up immediately when they occur. Product is very slippery. For industrial or professional use only.

7.2 Conditions for safe storage, including incompatibilities

Keep product containers closed when not in use.

7.3 Specific end uses

See technical data sheet on this product for further information.

8. Exposure Controls / Personal Protection

8.1 Control parameters

Exposure limits and recommendations:

None

8.2 Exposure controls

Respiratory protection:

Normal ventilation is adequate.

Protective gloves:

For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.

Eye protection:

Safety glasses recommended.

9. Physical and Chemical

9.1 Information of basic physical and chemical properties

Appearance: Opaque, cream to light-green gel.

Odor threshold:Not AvailablepH:6.0 to 7.0Freezing point: $\sim 32^{\circ}F$ (0°C)Boiling point: $\sim 212^{\circ}F$ (100°C)

Flash point: None

Evaporation rate: Not available

Flammability (solid, gas): Product is not flammable

Upper/lower flammability or

explosive limits: Does not apply

Vapor pressure: 18mm Hg @ 72°F (22°C)

Vapor density (Air = 1): >1Specific gravity (H₂O = 1): 1.0

Solubility in water: Disperses

Partition coefficient: n-

octanol/water:Not availableAuto-ignition temperature:Does not applyDecomposition temperature:Not available

Viscosity: > 80,000 cps. @ 10 rpm.

9.2 Other Information

Volatiles (Weight %): >80% VOC Content: 0 g/l

10. Stability and Reactivity

10.1 Reactivity:

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability:

Stable

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

None known.

10.5 Incompatible materials :

Avoid materials that react with water.

10.6 Hazardous decomposition products:

Carbon dioxide, carbon monoxide.

11. Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity

Eye contact:

Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

Skin contact:

This product has low skin irritation potential. There is no dermal toxicity hazard.

Irritation and Sensitization Potential:

This product has low skin irritation potential. It is not a sensitizer.

Inhalation (Breathing):

No inhalation hazard expected with water vapor.

Ingestion:

Very low ingestion hazard.

Based on ingredients, LD₅₀ (rat) is estimated to be well over 50 g/kg.

Aspiration hazard

Not an aspiration hazard.

Chronic Exposure:

Reproductive Toxicity:Not AvailableMutagenicity:Not AvailableTeratogenicity:Not Available

Toxicologically Synergistic

Products: Not Available

Carcinogenic Status: This substance has not been identified as a carcinogen or probable

carcinogen by NTP, IARC, or OSHA, nor have any of its components.

12. Ecological Information

12.1 Ecotoxicity: No information available.
12.2 Persistence and degradability: No information available.
12.3 Bioaccumulation potential: No information available
12.4 Mobility in soil: No information available.

12.5 Results of PBT and vPvBThis product is not, nor does it contain a substance that is a PBT or

Assessment: vPvB.

12.6 Other adverse effects: None known.

13. Disposal Considerations

Dispose of product in accordance with National and Local Regulations.

14. Transport Information

UN Number: Not Listed **UN Proper shipping name:** Not Applicable Transport hazard class(es): Not Applicable Packing group: Not Applicable **Environmental hazards:** None known Special precautions: None known TDG: Not Regulated ICAO/IATA-DGR: Not Regulated IMDG: Not Regulated ADR/RID: Not Regulated

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

USA Federal and State

All components are listed on the TSCA inventory.

Hazard Categories for SARA Acute Chronic Fire Pressure Reactive

Section 311/312 Reporting No No No No No

CERCLA/SARA Sec 302 SARA Sec. 313
Hazardous Substance RQ EHS TPQ Toxic Release

Components are not affected by these Superfund regulations.

NFPA Ratings: Health: 0

Fire: 0 Reactivity: 0

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

European Union

Components

All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. It does not contain Substances of Very High Concern (SVHC).

Canada

All components are listed on the DSL inventory.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Classification: NC

Australia

All components are listed on the AICS.

Not considered hazardous according to criteria of NOHSC Australia.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the mixture by the supplier.

16. Other Information

Abbreviations and acronyms:

OSHA = Occupational Safety and Health Administration

CLP = Classification, Labeling and Packaging Regulation

STOT = Specific Target Organ Toxicity

 LD_{50} = Median Lethal Dose

DNEL = Derived No Effect Level

ACGIH = American Conference of Governmental Industrial Hygienists

TSCA = Toxic Substances Control Act (USA)

DSL = Domestic Substances List (Canada)

AICS = Australian Inventory of Chemical Substances

Revision Date: January 2, 2015

Revision Number: 5

Supersedes: November 25, 2014
Other: Not Applicable

Indication of Changes: Section 1, 2, 15, 16 updated. Addition of acronyms and other formatting changes.

Updated in accordance with the provisions of OSHA 1910.1200 App D and REACH

Annex II (EU No 453/2010). (GHS format)

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.