

Puff Additive

SDS No: 300

Date: 06/14/16

1. Product and Company Identification**Product Name:** Puff Additive**Contact Information:****Rupert Gibbon & Spider, Inc.**

1147 Healdsburg Ave.

Healdsburg, CA 95448

800-442-0455

CHEMTREC (24HR Emergency Telephone), call:

1-800-424-9300

International CHEMTREC, call: 1-703-527-3887**For non-emergency assistance, call:** 800-442-0455**2. Hazardous Identification**

The product has no hazardous conditions.

3. Composition/information on Ingredients

| Substance | CAS Number | EINECS No | Content | Classification |
|--|------------|-----------|---------|----------------|
| Blowing agent substance with a -Isobutane community workplace exposure limit | 75-28-5 | 200-857-2 | 3-5.5% | F+; R12 |
| Copolymer | 25214-39-5 | | >40% | |
| Formaldehyde | 50-00-0 | | Trace | |
| Residual Monomers | n/a | | >0.05 | |

4. First Aid Measures**Eye Contact:** Flush with water for at least 15 minutes. If irritation develops, get medical attention.**Skin Contact:** Wash with soap and water.**Ingestion:** Rinse mouth and then drink plenty of water.**Inhalation:** Remove to fresh air for relief.**5. Fire-Fighting Measures****Flash Point:** >200 F**Extinguishing Media:** Foam, Co2, Dry Chemical or water mist. Containers close to fire should be transferred to a safe place.**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus**Unusual Fire or Explosive Hazards:** Corrosive (hydrogen chloride) and toxic fumes may occur as a decomposition product in case of fire.

6. Accidental Release Measures

If material is spilled dike to contain spill. Keep product from entering drains. Recover free product. Collect remaining product with absorbent materials.

7. Handling and Storage

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breath vapors, mist or gas. Further information on storage

conditions: Keep from freezing-product stability may be affected. Stir well before use.

8. Exposure Controls/Personal Protection

Respiratory Protection: Not necessary at room temperature.

Ventilation: Local exhaust as needed near processing equipment.

Protective Gloves: Usually not required.

Eye Protection: Safety glasses recommended

Other Protection: Usually not required.

Storage & Handling: Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (above 95 F). Wash thoroughly after handling.

| Substance Limits | CAS No | Content | Permissible Exposure |
|---------------------|----------|---------|--------------------------------------|
| Acrylonitrile | 107-13-1 | <0.0025 | 2 ppm |
| Vinylidene chloride | 75-35-4 | <0.025 | 5 ppm, 20mg/m ³ |
| Isobutane | 75-28-5 | 3-5.5% | 2 ppm 8 mg/m ³ 800 ppm |

9. Physical and Chemical Properties

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: >1

Solubility in Water: N/A

Appearance & Odor: Thick Liquid

Specific Gravity: 1.14-1.45

Melting Point: N/A

Evaporation Rate: N/A

10. Stability and Reactivity

Stability: Stable

Incompatibility (materials to avoid): None

Hazardous Decomposition Products: CO₃, CO₂

Hazardous Polymerization: Will not occur

11. Toxicological Information

Tests according to Magnusson and Kligman gave no reasons to believe the product can cause allergy.

Routes of Entry: N/A

Acute: N/A

Chronic: N/A

Carcinogenic: Formaldehyde and trace amounts of acrylic monomers. Listed hazard values refer only to Formaldehyde in its gaseous form. These liquid paints contact the dissolved form.

Signs & Symptoms of Exposure: Low hazard for industrial use. Any material that contacts the eye may cause a mechanical irritation. Very low toxicity if ingested. Fumes formed at elevated temperatures can be irritating if inhaled.

Medical Conditions Aggravated by Exposure: N/A

12. Ecological Information

Acute toxicity LC₅₀ for goldfish at 96 hours exposition is higher than 5000 ppm. Compound can be stated as "non-toxic absolutely".

In test with *Pseudomonas putida*, despite maximum amount of 10 g/liter, no toxicological effect was found.

The product is not biologically decomposable.

13. Disposal Considerations

Dispose of materials in accordance with the applicable local, state and federal regulations.

14. Transport Information

Not regulated

15. Regulatory Information

The present components are listed in the following chemical inventories:

| | |
|-----------------|------------|
| USA | TSCA |
| Europe | EINECS |
| Australia | AICS |
| Canada | DSL |
| Japan | MITI/ENCS |
| Korea | ECL |
| China | SEPA/IECSC |
| The Philippines | PICCS |
| Switzerland | SWISS |

16. Other Information

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.