

WÜRTH GULF SUBMITTAL 1-K ASSEMBLY FOAM B3

Art. No. 0892149751

MSDS



Material Safety Data Sheet

According to 91/155 EC

Trade Name: 1K-Assembly Foam B3 750 ml, Art N892149751

1. Identification of substance

- **Product details:**

- Trade name: 1K – Assembly Foam B3 750ml

- **Manufacturer/Supplier:**

Würth Gulf FZE
ZG8 –JAFZA-Dubai-United Arab Emirates
P.O Box 17036-Dubai
Tel: +971 4 8834229 Fax: +971 4 8834303

- **Informing department:** Quality Management

- **Emergency information:** Common and regional emergency call: +971 4 8834229

2. Composition/ Data on components:

- **Chemical characterization**

- **Description:** Urethane pre polymer with liquefied propellants, non-flammable, flammable and under pressure.

- **Dangerous components:**

EINECS	CAS-No	Designation	danger sign	R-phrases	Contents
202-966-0	101-68-8	diphenylmethane-4,4'-diisocyanate	F+ Extremely flammable	R 20 – 36/ 37/38 – 42/43	5-10%
203-448-7	106-97-8	butane; pure	Xn Harmful	R 12	2.5-10%
204-065-8	115-10-6	dimethyl ether	Xn Harmful	R 12	2.5-10%

3. Hazards identifications

- **Hazard designation:**



F+ Extremely flammable



Xn Harmful

- **Information pertaining to particular dangers for man an environment:**
 - R 42/43 May cause sensitizations by inhalation and skin contact.
 - R 36/37/38 Irritating to eyes, respiratory system and skin.
- **Classification system:** The classification is in line with current EC lists. If is expanded, however, by Information from technical literature and by information furnished by supplier companies.

4. First aid measures

- **General information:**
 - **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
 - **After skin contact:** Instantly wash with water and soap and rinse thoroughly.
 - **After eye contact:** Rinse opened eye for several minutes under running water. Then consult doctor.
- **Information for the doctor:**
 - **Danger:** Irritant effects by pasting.

5. Firefighting measures:

- **Suitable extinguishing agents:** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or flue gases:**
 - Can be released in case of fire.
 - Hydrogen fluoride (HF)
 - Hydrogen chloride (HCL)
- **Protective equipment:** Do not inhale explosion gases on combustion gases.
- **Additional information:** Cool endangered containers with water spay jet.

6. Accidental release measures:

- **Person-related safety precautions:** Wear protective clothing. Ensure adequate ventilation.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Allow to solidify. Collect mechanically.

7. Handling and storage

• Handling

○ Information for safe handling:

- Ensure good ventilation/ exhaustion at workplace. Keep away from heat and direct sunlight.
- Ensure good interior ventilation, especially at floor level (fumes are heavier than air).

○ Information about protection against explosions and fires: Keep ignition sources away – Do not smoke. Protect from heat.

• Storage

○ Requirements to be met by storerooms and containers: Observe official regulations on storing packaging with pressurized containers.

○ Information about storage in one common storage facility:

- Protect from heat and direct sunlight. Best storage temperature: 18 – 22 °C.

• Storage class: Class according to regulation on inflammable liquids: Void

8. Exposure controls and personal protection

• Additional information about design of technical systems:

No further data; see item 7.

• Components with critical values that require monitoring at the workplace:

101-68-8 diphenylmethane – 4, 4'-diisocyanate 5 – 10 %

TLV: 0, 05 mg/m³, 0.005 ppm

115-10-6 dimethyl ether 2, 5 – 10 %

TLV: 1910 mg/m³, 1000 ml/m³

106-97-8 butane, pure 2, 5 – 10 %

TLV: 2350 mg/m³, 1000 ml/m³

• Additional information:

The list that was valid during the compilation was used as basis.

• Personal protective equipment

• **General protective and hygienic measures:** Avoid contact with the skin; the usual precautionary measures should be adhered to in handling the chemicals.

• **Breathing equipment:** Not necessary if room is well-ventilated.

• **Protection of hands:** Protective gloves (material: butyl rubber)

- **Eye protections:** Safety glasses.
- **Body protection:** Protective work clothing.

9. Physical and chemical properties:

- **Form:** Aerosol
- **Color:** light yellow
- **Smell:** weak, characteristic
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix
- **VOC :** 61g/l

Change in Condition	Value/ Range	Unit	Method
Melting Point/Melting Range;			Not Applicable as aerosol
Boiling Point/Boiling Range;			Not Applicable as aerosol
Flash Point;			Not Applicable as aerosol
Ignition Temperature;	>230	°C	Propellant
Decomposition Temperature;			
The cured foam may decompose at Temperature above 100 °C. at temp. above 300 °C self-ignition is possible			
Self-Inflammability;			Product is not self-igniting
Danger of Explosion;			
Product is not explosive, however, formation of explosive air/steam mixture is possible			
Critical Values for Explosion:			Applicable for propellant
Lower:	1.5	Vol%	
Upper:	18.6	Vol %	
Steam Pressure at 20°C	5.5-6	bar	
Density at 20°C	0.9-1.1	g/cm ³	
Solubility in / Miscibility with Water:			Not Miscible or difficult to mix

10. Stability and reactivity

- **Thermal decomposition/ conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Dangerous reactions:** Increasing inside pressure due warming up. Danger of bursting by overheating.
- **Dangerous products of composition:** No dangerous decomposition products known (at combustion)

11. Toxicological information

- **Acute toxicity:**
 - **Primary irritant effects:**
 - **On the skin:** Irritant for skin when pasting.
 - **On the eye:** Irritant effect: danger of pasting.
 - **Sensitization:**
 - **Sensitization possible by inhalation.** Not applicable for the cured foam.

12. Ecological information

- **Information about elimination (persistence and degradability)**

The cured foam is not biodegradable.

13. Disposal considerations

- **Product:**
- **Recommendation:** Contact waste processors for recycling information.
- **Waste-key-number:** EAK 080409

- **Un cleaned packaging Recommendation**

Disposal must be made according to official regulations.

In Germany: recycling by PDR

- **Recommended cleaning agent:** Cleaner f. PU-foam-Art No 0892 160

14. Transport information

- **Land-transport ADR/RID und GGVS/E:**
 - UN 1950
 - Aerosols
 - Class 2
 - ADR, limited quantities

15. Regulatory information

- **Designation according to EC guidelines:** The product has been labeled in accordance with EG Directives / relevant national laws.
- **Code letter and hazard designation of product:**
 - Xn Harmful
 - F+ Extremely flammable
- **Hazard-determining components of labeling:**
 - Highly flammable propellants
 - Diphenylmethane –4, 4`-diisocyanate
- **Risk phrases:**
 - 42/43 May cause sensitization by inhalation and skin contact.
 - 36/37/38 Irritating for eyes, respiratory system and skin.
- **Safety phrases:**
 - 2 Keep out of the reach of children.
 - 23 Do not breathe gas/fumes/vapor/spray
 - 25 Avoid contact with eyes.
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - 28 After contact with skin, wash immediately with plenty of water and soap.
 - 45 In case of accident or you feel unwell, seek medical advice immediately
 - 37 Wear suitable gloves.
 - 39 Wear protective goggles.
- **Special designation of certain preparation:**
 - Pressurized container.

Protect from sunlight and do not expose to temperature exceeding 50 °C. Do not pierce or burn, even after use. Do not spray into a naked flame or any incandescent object. Keep away from sources of ignition – no smoking. Without adequate ventilation formation of explosives mixtures may occur.

- Contains Isocyanates.
- Observe manufacturer's instructions.

16. Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a Legally valid contractual relationship.

- **Risk phrases listed in paragraph 2 and 3:**
 - R 20 Harmful by inhalation;
 - R 22 Harmful if swallowed;

- R 36/37/38 Irritating for eyes, respiratory system and skin;
- R 42/43 May cause sensitization by inhalation and skin contact;
- R 52 Harmful to aquatic organisms;
- R 53 May cause long term adverse effects in the aquatic environment

• **Declaration**

The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. The manufacturer makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use

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