

MATERIAL SAFETY DATA SHEET OF FlawGel

1. Identification of the Product and the Company:

Product Identifier	: FlawGel-Ultrasonic Couplant
Other Identifiers	: FlawGel GF, FlawGel PF
Use of the product	: Industrial Use - Testing material for nondestructive surface crack detection
Manufacturer and Supplier	: Arora Technologies (P) Limited
Address	: Plot No. D-183/8, MIDC, TTC Nerul, Navi Mumbai- 400706, Maharashtra, India
Telephone No.	: T: +91-22-6138 0600
E-mail	: E: info@arorandt.com W: www.arorandt.com

2. Hazard Identification:

Classification of the substance or Mixture	: The mixture is classified according to Regulation (EC) No 1272/2008 according to the most recent ATP
Labels Elements	: None
Other Hazards	: Not applicable

3. Composition/information on ingredients:

Substances	: Mixture of substances with non hazardous additions.
Mixtures	: This product does not contain dangerous components

4. First-aid measures:

General information	: Immediately remove any clothing soiled by the product. No special measures required
After ingestion	: Rinse mouth, call doctor if required
After eye contact	: Wash abundantly with water, consult a specialist if the irritation of eyes persists
After skin contact	: Wash with water, wash before re-use contaminated clothing
Following inhalation	: Transport the person to the fresh if disorders are observed

5. Firefighting Measures:

Extinguishing media	: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Suitable extinguishing agents	: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.
Special hazards arising from the substance or mixture	: In case of fire, the following can be released: Carbon monoxide (CO)
Advice for firefighters	: Protective equipment: Wear self-contained respiratory protective device

6. Accidental release measures:

Personal precautions, protective equipment and emergency procedures	: Not required
Environmental Precautions	: Do not allow to enter sewers/ surface or ground water
Methods and material for containment and cleaning up	: Dispose contaminated material as waste according to section 13. No special measures required.

7. Handling and storage:

Precautions for safe handling	: Store in a cool location.
Conditions for safe storage, including any incompatibilities	
Specific End Uses	: Ultrasonic Couplant powder Used in NDT testing

8. Exposure controls/personal protection:

Control parameters	: No further data; see section 7
Additional information about design of technical facilities	

Ingredients with limit values : The product does not contain any relevant quantities of materials with critical that require monitoring at the values that have to be monitored at the workplace.

DNELs		
102-71-62,2',2''-nitrilotriethano		
Dermal	Long-term - systemic effects, worker	6.3 mg/kg bw/day (worker)
Inhalative	Long-term - systemic effects, worker	5 mg/m ³ (worker)
	Long-term - local effects, worker	5 mg/m ³ (worker)

DNEL (Derived No Effect Level) for the general population		
102-71-62,2',2''-nitrilotriethanol		
Oral	Long term- systemic effects, general population	13 mg/kg bw/day (general population)
Dermal	Long term- systemic effects, general population	3.1 mg/kg bw/day (general population)
Inhalative	Long term- systemic effects, general population	1.25 mg/m ³ (general population)
	Long term- local effects, general population	1.25 mg/m ³ (general population)

PNECs	
102-71-62,2',2''-nitrilotriethano	
Aquatic compartment† freshwater	0.32 mg/L (freshwater)
Aquatic compartment† marine water	0.032 mg/L (marine water)
Aquatic compartment† water intermittent releases	5.12 mg/L (intermittent release water)
Aquatic compartment† sediment freshwater	1.7 mg/kg sed dw (sediment fresh water)
Aquatic compartment† sediment marine water	0.17 mg/kg sed dw (sediment marine water)
Terrestrial compartment† soil	0.151 mg/kg dw (soil)
Sewage treatment plant	10 mg/L (sewage treatment plant)

Additional information : The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures : The usual precautionary measures are to be adhered to when handling chemicals. Avoid contact with the eyes.

Respiratory protection : For good ventilation provide, this can be achieved by local or space exhaust. If the concentration lies over the job limit values, then, a certified respirator suitable for this purpose must be used.

Protection of hand : Check the permeability prior to use of each new glove. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

For the protection against chemicals in areas with heightened risk of injury (mechanical hazard) no recommendation for a suitable glove material can be given.

Material of gloves : The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection : Tightly sealed goggles

Body protection : Protective work clothing

9. Physical and chemical properties:

Physical Aspect	: White / Yellow Fluorescent
Odour	: Recognisable
pH	: 9-9.5
Melting Point	: Undetermined
Flash Point	: Not applicable
Flammability	: Not determine
Solubility	: Soluble in water

10. Stability and reactivity:

Incompatibility	: No data available
Hazardous reaction	: No data available
Reactivity	: No further relevant information available
Conditions to avoid	: No further relevant information available
Incompatible Materials	: No further relevant information available

11. Toxicological information:

Acute oral toxicity	: Oral LD50 8,000 mg/kg (rat)
Acute dermal toxicity	: Based on available data, the classification criteria are not met
Acute inhalation toxicity	: Based on available data, the classification criteria are not met

12. Ecological Information:

Results of PBT and vPvB assessment	: Not applicable
Other adverse effect	: No Data available

13. Disposal considerations:

Waste Treatment methods	: Ensure conformity to local disposal regulations.
Recommended cleansing agents	: Water, if necessary together with cleansing agents.

14. Other Information:

Recommended restriction of use	: Existing national and local laws concerning chemicals are to be considered
Department issuing SDS	: Arora Technologies (P) Limited
Contact	: Arora Technologies (P) Limited, info@arorandt.com

15. Regulatory Information:

Safety, health and environmental regulations/legislation specific for the substance or mixture	
Poisons Act	: None of the ingredients is listed.
Regulated explosives precursors	: None of the ingredients is listed.
Directive 2012/18/EU	
Named dangerous substances:	ANNEX I None of the ingredients is listed.
National regulations	
Waterhazard class	: Water hazard class 1: slightly hazardous for water.
Chemical safety assessment	: A Chemical Safety Assessment has not been carried out.

16. Other Information:

Recommended restriction of use	: Existing national and local laws concerning chemicals are to be considered
Department issuing SDS	: Arora Technologies (P) Limited
Contact	: Arora Technologies (P) Limited, info@arorandt.com

Disclaimer: The information in this (M)SDS was obtained from sources which we believe are reliable but cannot guarantee. Additionally, your use of this information is beyond our control and may be beyond our knowledge. Therefore, the information is provided without any representation or warranty express or implied.