

## MATERIAL SAFETY DATA SHEET OF FlawGlo SD-175

### 1. Identification of the Product and the Company:

Name of the product : FlawGlo SD-175  
 Use of the product : Non-Destructive Testing  
 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  
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### 2. Hazard Identification:

#### Classification of the substance or Mixture

Flammable Aerosol, Cat 1

Eye Irrit, Cat 2

STOT SE, Cat 3

H222 : Extremely Flammable Aerosol

H229 : Pressurised container : May burst if heated

H319 : Causes serious eye irritation

H336 : May cause drowsiness or dizziness

#### Labels Elements

- Hazards Pictograms



#### Hazard Statement:

- H222: Extremely Flammable Aerosol
- H229 : Pressurised container : May burst if heated
- H319 : Causes serious eye irritation
- H336 : May cause drowsiness or dizziness

#### Precautionary Statement

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray
- P262 Do not get in eyes, on skin, or on clothing
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P308 + P313 IF exposed or concerned: Get medical advice/ attention
- P501 Dispose of contents/container to an approval waste disposal plant

#### Special labelling for aerosol cans:

Pressurized container: Do not pierce or burn, even after use - Protect from sunlight - Do not expose to temperatures exceeding 50°C - Do not spray on an open flame or other ignition source - Keep away from heat/sparks/open flames/hot surfaces - No smoking.

### 3. Composition / Ingredients:

Substance Name	N° CAS N° CE	Classification (1272/2008)	Concentration (%)
Propellant	74-98-6 - 200-827-9	Flam. Gas 1 H220 Press. Gas	> 30
Propane	01-2119486944-21		
Butane	106-97-8 - 203-448-7 01-2119474691-32		
Propan-2-ol	67-63-0 200-661-7 01-2119457558-25	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	50 a 75 %

#### 4. First Aid Measures:

General information	: Take off immediately all contaminated clothing and wash it before reuse. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If unconscious place in recovery position and seek medical advice.
After ingestion	: Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell.
After eye contact	: In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.
After skin contact	: After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation. Consult a physician. Take off immediately all contaminated clothing.
Following inhalation	: In case of inhaling spray mist, consult a doctor immediately and show him packing or label. If breathing is irregular or stopped, administer artificial respiration.

#### Most important symptoms and effects, both acute and delayed:

Respiratory complaints Drowsiness

#### Indication of any immediate medical attention and special treatment needed:

No data available

#### 5. Firefighting Measures:

Suitable extinguishing media	: Water spray Water mist Foam Extinguishing powder
Unsuitable extinguishing media	: Full Water Jet
In case of fire may be liberated	: Nitrogen oxides (NOx) Carbon monoxide
In case of fire	: Wear self-contained breathing apparatus

#### 6. Accidental Release Measures:

- Use personal protection equipment – Provide adequate ventilation
- Do not allow to enter into surface water or drains
- Absorb with liquid-binding material

#### 7. Handling And Storage:

Precautions for safe handling	: All work processes must always be designed so that the following is excluded: Inhalation Skin contact Eye contact keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
Conditions for safe storage, including any incompatibilities	: Ensure adequate ventilation of the storage area. Hints on storage assembly: Materials to avoid oxidizing agent. Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place.
Specific End Uses	: Developer for Penetrant Testing

#### 8. Exposure Controls And Personal Protection:

##### Control Parameters

Component	CAS	
Propan-2-ol	67-63-0	Short Term Value = 400 ppm
Butane	106-97-8	Long Term Value = 800 ppm = 1900 mg/m3

##### Exposure Controls

Eye/face protection	: Suitable eye protection: Eye glasses
Skin protection	: Use protective skin cream before handling the product. Hand protection Suitable gloves type : NBR (Nitrile rubber)
Respiratory protection	: Filter type: AX is appropriate (if necessary).
Protective clothing	: Body protection: not required. General health and safety measures: When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

## 9. Physical and Chemical Properties:

Physical State : Aerosol  
Aspect : White liquid  
Odor : characteristic  
Density (active component) : 0.89 g/ml  
Flash Point (active component) : <12°C  
Ignition Temperature : > 250°C (ASTM E659)  
Explosive Limits : lower : 2% upper : 12%  
Solubility : not soluble in water

## 10. Stability and Reactivity

Reactivity : Reaction with oxidising agent  
Chemical Stability : Stable in normal condition of use  
Possibility of Hazardous reactions : No Data available

## 11. Toxicological Information:

Component	DL50 Oral	DL50 Dermal	CL50 Inhalation
Propan-2-ol	5 840 mg/kg (rat)	13 900 mg/kg (rabbit)	> 25000 mg/L (rat)

- **Acute oral toxicity:** Data apply to the main component
- **Acute dermal toxicity:** Data apply to the main component
- **Acute inhalation toxicity:** Data apply to the main component

## 12. Ecological Information:

Component	EL50 (24h) daphnie	LL50 (96h) fish
Propan-2-ol	9740 mg/L	9640 mg/L

Results of PBT and vPvB assessment : no PBT and vPvB

## 13. Disposal Considerations:

- Do not reject the product
- Ensure conformity to local disposal regulations
- Packing is not taken again, they must be eliminated (polyethylene cans)

## 14. TRANSPORT INFORMATION

UN Number : 1950  
UN proper shipping name : Aerosols, Flammable  
Transport Hazard Class : ADR / RID : 2  
Packing Group : IMDG : 2  
IATA : 2.1  
ADR / RID : No - Instruction LQ2 ( LIMITED QUANTITY )  
IMDG : No - Instruction LQ2 ( LIMITED QUANTITY )  
IATA :  
Environmental hazards : No

**Transport in bulk according to Annex II Of MARPOL 73/78 and the IBC Code**

### 15. Other Information:

The European regulation imposes that all the H sentences (section 2) appear in this paragraph. According to their concentration in the final product, these sentences do not appear on the label. This is why sentences or initials appearing in this paragraph can not appear on the label.

H sentences (section 2 and 3)

- H220: Extremely flammable Gas
- H222: Extremely Flammable Aerosol
- H225: Highly flammable liquid and vapour
- H229: Pressurized container; May burst if heated
- H319: Causes serious eye irritation
- H336: May cause drowsiness or dizziness

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