

MATERIAL SAFETY DATA SHEET OF FlawGlo SC-190

1. Identification of the Product and the Company:

Name of the product : FlawGlo SC-190
 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
 Skin Sens, Cat 2
 STOTSE, Cat 3
 Aquatic Chronic 2

H222: Extremely Flammable Aerosol
 H229: Pressurised container : May burst if heated
 H315: Causes skin irritation
 H336: May cause drowsiness or dizziness
 H411: Toxic to aquatic life with long lasting effects

Labels Elements

- Hazards Pictograms



Hazard Statement:

- H222 : Extremely Flammable Aerosol
- H229 : Pressurised container : May burst if heated
- H315 : Causes skin irritation
- H336 : May cause drowsiness or dizziness
- H411 : Toxic to aquatic life with long lasting effects

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

3. Composition / Ingredients:

Substance Name	N° CAS N° CE	Classification (1272/2008)	Concentration (%)
Propellant Propane Butane	74-98-6 - 200-827-9 01-2119486944-21 106-97-8 - 203-448-7 01-2119474691-32	Flam. Gas 1 H220 Press. Gas	> 30%
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	927-510-4 01-2119475515-33-xxxx	Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	> 50 %

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.

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
Following inhalation	: contaminated clothing. 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 (NO _x) 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	: Solvent for Penetrant Testing

8. Exposure Controls And Personal Protection:

Control Parameters

Component	CAS	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	142-82-5	Short Term Value = 500 ppm
Butane	106-97-8	Long Term Value = 800 ppm = 1900 mg/m ³

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 : Body protection: not required.
 Protective clothing : 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 : Liquid
 Odor : Bland
 Density (active component) : 0.76 g/ml
 Flash Point (active component) : -4°C
 Ignition Temperature : > 400°C (ASTM E659)
 Explosive Limits : lower : 1% upper : 6.7%
 Solubility : 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
 Conditions to avoid : No Data available
 Incompatible Materials : No Data available
 Hazardous decomposition products : No Data available

11. Toxicological Information:

Component	DL50 Oral	DL50 Dermal	CL50 Inhalation
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	17 000 mg/kg (rat)	> 2 000 mg/kg (rabbit)	60 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:

NA.

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
- H304: May be fatal if swallowed and enters airways
- H315: Causes skin irritation
- H336: May cause drowsiness or dizziness
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects
- H411: Toxic to aquatic life with long lasting effects

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