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SECTION 01 : Identification of substance and of the company /undertaking

1.1 Product identifiers

Product name : ISATOIC ANHYDRIDE
Product Number : --
Brand : Anshul
REACH No : --
CAS-No. : 118-48-9

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : Anshul Specialty Molecules Pvt.Ltd.
Flexcel Park ,C-wing ,2nd Floor,184-87,S.V.Road,
Near 24 Karat Multiplex, Jogeshwari (West)
Mumbai-400 102 ,INDIA

1.4 Emergency telephone number

Emergency Phone # : +91 98194 90645
+91 88797 10202

SECTION 02 : Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye irritation (Category 2), H319
Skin sensitisation (Category 1), H317


2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram :



Signal word : Danger

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Hazard statement(s)

- H 317 : May cause an allergic skin reaction.
H 319 : Causes serious eye irritation.
H 402 : Harmful to aquatic life.

Precautionary statement(s)

- P 261 : Avoid breathing dust
P 264 : Wash contaminated skin thoroughly after handling.
P 272 : Contaminated work clothing must not be allowed out of the workplace
P 273 : Avoid release to the environment
P280 : Wear protective gloves.
P 302 +P 352 : If on skin: Wash with plenty of water.
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P 321 : Specific treatment (see medical advice on this label)
P333+P 313 : If skin irritation or rash occurs: Get medical advice/ attention.
P 337+P313 : If eye irritation persists: Get medical advice/ attention
P 362 +P 364 : Take off contaminated clothing and wash it before reuse.
P 501 : Dispose of contents/ container in accordance with national regulations.

Hazards not otherwise classified (HNOC) or not covered by GHS - None

Supplemental Hazard information : None

2.3 **Other hazards** : **None**


SECTION 03 : Composition / information on ingredients

3.1 Substance

Synonyms : 3,1-Benzoxazine-2,4(1H)-dione
Anthranilic acid N-carboxylic acid anhydride

Formula : C₈H₅NO₃

Molecular weight : 163,13 g/mol

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CAS-No. : : 118-48-9

EC-No. : : 204-255-0

Component	Classification	Concentration
4H-3,1-Benzoxazine-2,4(1H)-dione	Eye Irrit. 2; Skin Sens. 1; H319, H317	<= 100 %

SECTION 04 : First aid measures

4.1 Description of first aid measures

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.


In case of skin contact : Wash off with soap and plenty of water. Consult a physician.

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed : No data available


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SECTION 05: Firefighting measures

- Extinguishing Media**
- 5.1 Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media** : --
- 5.2 Special hazards arising from the substance or mixture** Carbon oxides, Nitrogen oxides (NO_x)
- 5.3 Flash Point** : 308 °C - closed cup
- 5.4 Auto ignition temp** : --
- 5.5 Explosive Limit**
- Lower Explosive Limit** : Lower : 0.035 oz/ cu.ft
- Upper explosive limit** : No data found
- 5.6 General Information** As in any fire , wear a self - contained breathing apparatus with full face piece operated in a positive pressure mode. NIOSH (approved or equivalent)
- 5.7 Advice for fire-fighters** : Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so.
- 5.8 Further information** : No data available.

SECTION 06: Accidental release measures

- 6.1 Personal precautions** : Use personal protective equipment.
Avoid dust formation.
Avoid breathing vapours, mist or gas.
Ensure adequate ventilation.
Avoid breathing dust..
For personal protection see section 8.
- 6.2 Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let

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product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections : For disposal see section 13.

SECTION 07: Handling and storage

- 7.1 Precautions for safe handling** : Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes.
Avoid inhalation of vapour or mist.
Keep away from sources of ignition - No smoking.
Take measures to prevent the build up of electrostatic charge.
For precautions see section 2.2..
- 7.2 Conditions for safe storage, including any incompatibilities** : Keep container tightly closed in a dry and well-ventilated place..
Store in cool place.
- 7.3 Specific end use(s)** : Apart from the uses mentioned in section 1.2 no other specific uses are stipulated


SECTION 08: Exposure controls / personal protection

- 8.1 Control parameters** : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep air borne concentrations low
- 8.2 Exposure controls** : **Appropriate engineering controls**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

Eyes /Face Protection : Wear Chemical Safety Goggles.
Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection : Wear appropriate protective gloves to prevent skin expose.
Handle with gloves. Gloves must be inspected prior to use. Use proper

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glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.


The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

- Body Protection** : Wear a chemical apron.
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
- Respiratory protection** : Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) -respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- Control of environmental exposure** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Discharge into the environment must be avoided.

SECTION 09: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | | | |
|----|---|---|----------------------------------|
| a) | Appearance | : | Solid Whitish grey to tan powder |
| b) | Odour | : | Odorless |
| c) | Odour Threshold | : | No data Available |
| d) | pH | : | Neutral |
| e) | Melting point/ freezing point | : | 232 – 238 ° C |
| f) | Boiling point | : | Decomposes |
| g) | Evaporation rate | : | No data Available |
| h) | Vapour pressure | : | No data Available |
| i) | Vapour density | : | 5.6 (calc) |
| j) | Relative density | : | 1.52 |
| k) | Ssolubility | : | Soluble in 1.0N NaoH |
| l) | Partition coefficient: n-octanol /water | : | No data Available |

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m) Decomposition temperature : No data Available

n) Viscosity : No data Available

o) Explosive properties : No data Available

p) Oxidizing properties : No data Available

9.2 Other safety information

Relative vapour density : (Air = 1.0)

SECTION 10: Stability and reactivity

10.1 Reactivity : No data available

10.2 Chemical stability : Stable under recommended storage conditions.

10.3 Possibility of hazardous reaction : No data available

10.4 Conditions to avoid : Spark, Open flame, Static discharge

10.5 Incompatible materials : Strong oxidizing agents, Strong acids, Strong bases

10.6 Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO_x)
Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information


11.1 Information on toxicological effects

Acute Toxicity : LD 50(Oral rat) : >5 gm/ kg
: LD50 (Dermal rabbit) : > 2 gm /kg.
: LC50 (In halation rat 1 hr : 192 mg /L

Germ cell mutagenicity : No data available

Carcinogenicity : No data available
IARC, OSHA, ACGIH, NTP
EPA classification.

Reproductive toxicity : No data available

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TLV : No data available
 STEL : No data available
 Specific target organ toxicity - single exposure : Inhalation - May cause respiratory irritation

Specific target organ toxicity - repeated exposure : No data available

Aspiration hazard : No data available


Additional Information : RTECS: No data available

SECTION 12: Ecological information

- 12.1 Ecotoxicity** : No data available
Fish:
Crustacea
Algae:
- 12.2 Persistence / degradability** : No data available
- 12.3 Bioaccumulative potential(BCF)** : No data available
- 12.4 Mobility in soil** : No data available
- 12.5 Log Pow:** : No data available
Soil adsorption (Koc)
- 12.6 Spill forbidden** : No data available
- 12.7 Biodegradability** : No data available
- 12.8 Results of PBT and vPvB assessment** : PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods** : **Product**
 Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as

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substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Authorisations and/or restrictions on use

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

: Neither banned nor restricted This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

15.2 Chemical safety assessment

: For this product a chemical safety assessment was not carried out

SECTION 16: Other Information

- 16.1 The above information is believed to be accurate and represents the best information currently available to us. However we make no warranty of merchantability or any other warranty, express or implied, with respect to such information and we assume no liability resulting from it's use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall ANSHUL SPECIALTY MOLECULES PVT. LTD. be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from use or reliance upon this information.

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