

ANSHUL SPECIALTY MOLECULES PVT LTD.

TITLE : SDS OF ANTHRANILAMIDE

(COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No1907/2006

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SECTION 01 : IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY /UNDERTAKING

1.1 Product identifiers

Product name : **ANTHRANILAMIDE**
Product Number : --
Company/Brand : Anshul
REACH No : --
CAS-No. : 88-68-6

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

Identified uses : Application in pharma intermediates , Agrochemicals intermediates and Manufacture of other substances.

1.3 Details of the supplier of the safety data sheet

Company : Anshul Specialty Molecules Pvt.Ltd.
Flexcel Park ,C-wing ,2nd Floor,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 : HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Skin irritation (Category 2), H315
Eye irritation (Category 2), H319
Skin sensitisation (Category 1), H317
Specific target organ toxicity - single exposure (Category 3), H335

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008
Pictogram



Signal word : Warning

Hazard statements

H 315 : Causes skin irritation
H 317 : May cause an allergic skin reaction
H 319 : Causes serious eye irritation.
H 335 : May cause respiratory irritation.

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Precautionary statements

- P 261** : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280 : Wear protective gloves
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements : None

2.3 Other hazards : None

SECTION 03 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

- Synonyms** : 2- Aminobenzamide, Anthranilamide ,
Formula : $C_7H_8N_2O$
Molecular weight : 136.15 g/mol
CAS-No. : 88-68-6
EC-No. : 201-851-2

Component	Classification	Concentration
Anthranilamide CAS-No : 88-68-6 EC-No: 201-851-2	Skin Irrit. 2; Eye Irrit. 2; H315, H319, H317,H335	<= 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** : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

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- 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** : Treat symptomatically

SECTION 05: FIREFIGHTING MEASURES

- 5.1 Extinguishing Media**
Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
- 5.2 Flash Point** : 198°C CC
- 5.3 Auto ignition temp** : No data available
- 5.4 Explosive Limit** : No data available
- 5.5 General Information :** : Wear self-contained breathing apparatus for firefighting if necessary.
- 5.6 Precautions for firefighters** : 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.
- 5.7 Special hazards arising from the substance or mixture** : Carbon oxides, Nitrogen oxides (NOx)

SECTION 06: ACCIDENTAL RELEASE MEASURES

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- 6.1 Personal precautions** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
- 6.2 Environmental precautions** : Do not let product enter drains
- 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 contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
- Technical measures**
- 7.2 Storage Condition** : Keep container tightly closed in a well-ventilated 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. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product

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).

Hand protection



: Wear appropriate protective gloves to prevent skin expose.

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid

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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 : Form: crystalline Colour: beige
- b) Odour : No data available
- c) Odour Threshold : No data available
- d) pH : No data available
- e) Melting point/ freezing point : 111 - 113 °C
- f) Boiling point : 300 °C at 1.013 hPa
- g) Evaporation rate : No data available
- h) Vapour pressure : No data available
- i) Vapour density : No data available
- j) Relative density : No data available
- k) Water solubility : No data available
- l) Partition coefficient: n-octanol /water : No data available
- m) Decomposition temperature : No data available
- n) Viscosity : No data available
- o) Explosive properties : No data available
- p) Oxidizing propertie : No data available

9.2 Other safety information

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Relative vapour density : No data available (Air = 1.0)

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity** : Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
- 10.2 Chemical stability** : Stable under recommended storage conditions.
- 10.2 Possibility of hazardous reaction** : Caution! In contact with nitrites, nitrates, nitrous acid possible liberation of nitrosamines!
Violent reactions possible with: Strong oxidizing agents
- 10.3 Conditions to avoid** : Strong heating.
- 10.4 Incompatible materials** : Oxidizing agents
- 10.5 Hazardous decomposition products** : Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)
- Other decomposition product** : No data available

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Acute Toxicity** : LD50 Oral - Rat - 2.200 mg/kg Remarks: (External MSDS) LC50 Inhalation - Rat - 4 h - > 5,4 mg/l - dust/mist
Inhalation: No data available
- Skin corosion/irritation** : No data available
- Serious eye damage/irritation** : Eyes - Rabbit Result: Eye irritation
- Germ cell mutagenicity** : No data available
- Carcinogenicity**
- IARC** : IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

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NTP : No data available

Reproductive toxicity : No data available

LD50 (Ingestion rats) : No data available

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: CU8993000

Endocrine disrupting properties

Product: Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

RTECS: CU8993000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Under given conditions, contact with nitrites or nitric acid can lead to the formation of nitrosamines, which have shown themselves to be carcinogenic in animal experiments.

Further data:

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

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Fish: : LC50 - Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h (DIN 38412 part 15)
Crustacea : No data available
Algae: : No data available

12.2 Persistence and degradability

Biodegradability : Result: 90 - 100 % - Easily eliminable. (OECD Test Guideline 302B)
Biochemical Oxygen Demand (BOD) : 3 mg/g
Chemical Oxygen Demand (COD) : 1.680 mg/g

12.3 Bioaccumulative potential(BCF) : No data available

12.4 Mobility in soil : No data available

12.5 Results of PBT and vPvB assessment adsorption (Koc) : PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Spill forbidden : No data available

12.7 Biodegradability : No data available

12.8 Endocrine disrupting properties : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods : **Product**
Dispose off in a manner consistent with Federal, State and Local Regulations 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 well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

13.2 Contaminated packaging : Dispose of as unused product.

