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

1.1 Product identifiers

Product name : WS-23
 Product Number : --
 Brand /Company : Anshul
 REACH No : --
 CAS-No. : 51115-67-4

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, 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

Not Classified

2.2 Label elements


Labelling according Regulation (EC) No 1272/2008

Pictogram : 

Signal word : Warning

Hazard statement(s)

H 302 : Harmful if swallowed

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Precautionary statement(s)

- P 264 : Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
- P 301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P 420 : Store away from incompatible materials
- P 501 : Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental Hazard information

- : 100% of the mixture consists of component(s) of unknown acute dermal toxicity. 100% of the mixture consists of component(s) of unknown acute inhalation toxicity. 100% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 100% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

2.3 **Other hazards**

Hazard(s) not otherwise classified (HNO C)

HMIS® ratings


- : **WARNING!** May form combustible dust concentrations in air. Avoid breathing dust.

Health: 1
Flammability: 1
Physical hazard: 0

SECTION 03 : Composition / information on ingredients

- Synonyms :** : 2-Isopropyl-N,2,3-trimethylbutanamide
- Formula :** : C₁₀H₂₁NO
- Molecular weight :** : 171.28 g/mol
- CAS-No. :** : 51115-67-4
- EC-No. :** : --
- FEMA** : 3804

Component	Classification	Concentration
isopropyl trimethyl butyramide	H 302	100 %

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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.

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

If swallowed : Do NOT induce vomiting. 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

Extinguishing Media

5.1 Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Unsuitable extinguishing media :

5.3 Special hazards arising from the substance or mixture Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion

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hazard. Fire may produce irritating, corrosive and/or toxic gases.

5.4 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)

5.5 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.

5.6 Further information

: No Data available

SECTION 06: Accidental release measures

6.1 Personal precautions

: Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions

: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up


: Soak up with inert absorbent material and dispose of as hazardous waste.. (e.g. sand, earth, diatomaceous earth, vermiculite. Disposal according to local / national regulations (see section 13). 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

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- Advice on safe handling : Take precautionary measures against static discharges when there is a risk of dust explosion.
Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Do not handle or store near an open flame, heat or other sources of ignition. Assume that this material is capable of producing a dust explosion if ignited as a dust cloud.
Take precautionary measures against static discharges. Avoid breathing vapor. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.
- Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

7.2 Conditions for safe storage, including any incompatibilities


- Storage conditions : Store at ambient temperature in cool, dry, ventilated area, away from moisture source, heat and ignition source. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

- 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

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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 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 | : | Powder. Crystalline powder |
| b) | Odour | : | Characteristic. |
| c) | Odour Threshold | : | Not available |
| d) | pH | : | Not available |
| e) | Melting point/ freezing point | : | 60 – 63°C |
| f) | Boiling point | : | 451.4 - 453.2 °F (233 - 234 °C) |
| g) | Flash Point | : | > 200.0 °F (> 93.3 °C) Closed Cup |

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- h) Auto Ignition temp : Not available
- i) Evaporation rate : Not available
- j) Flammability (Solid, gas) : Not available
- k) Upper Explosive Limits (LEL) : Not available
- Lower Explosive Limit (UEL) :
- l) Vapour pressure : 0.004 mm Hg at 25 °C
- m) Vapour density : 5.9
- n) Relative density : 0.993 g/cm³ at 20 °C relative compared to water at 4 °C
- o) Water solubility : Insoluble
- p) Partition coefficient: n-octanol : Not available
- /water
- q) Decomposition : Not available
- temperature
- r) Viscosity : Not available
- s) Explosive properties : Not available
- t) Oxidizing properties : Not available

9.2 Other safety information


Relative vapour density :

SECTION 10: Stability and reactivity


- 10.1 Reactivity** : The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.2 Chemical stability** : Material is stable under normal conditions.
- 10.3 Possibility of hazardous reaction** : No dangerous reaction known under conditions of normal use.
- 10.4 Conditions to avoid** : Keep away from heat, sparks and open flame. Avoid temperatures exceeding the flash point.
Contact with incompatible materials. Minimize dust generation and accumulation
- 10.5 Incompatible materials** : Strong Oxidizing agents
- 10.6 Hazardous decomposition products** : No hazardous decomposition products if stored and handled as indicated

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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Acute Toxicity	:	LD50 Oral – Rat 500 mg/kg LD 50 Dermal Rabbit
Skin corrosion / irritation	:	Prolonged skin contact may cause temporary irritation.
Serious Eye damage / Eye irritation	:	Eye Irritancy: Some evidence of conjunctivitis (rabbit eye)
Germ cell mutagenicity	:	No data available
Carcinogenicity IARC, OSHA, ACGIH,NTP EPA classification.	:	IARC Monographs. Overall Evaluation of Carcinogenicity Not listed. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not regulated. US. National Toxicology Program (NTP) Report on Carcinogens Not listed. US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not available
Reproductive toxicity	:	Not classified.
TLV	:	No data available
STEL	:	No data available
Specific target organ toxicity - single exposure	:	No data available
Specific target organ toxicity - repeated exposure	:	No data available
Aspiration hazard	:	Not an aspiration hazard
Additional Information	:	
Endocrine disrupting properties	:	
Product: Assessment	:	The substance/mixture does not contain components considered to have endocrine disrupting properties

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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 12: ECOLOGICAL INFORMATION

- | | | |
|--|---|---|
| 12.1 Ecotoxicity
Fish:
Crustacea
Algae: | : | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| 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 Results of PBT and vPvB assessment | : | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
| 12.6 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. |
| 12.7 Other adverse effects | : | No data available |

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. |

