



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : I 40601

Product Name : INDOLE-3-BUTYRIC ACID

Manufacturer/supplier identification

Company : NICE Chemicals (P) Ltd., Cochin, India

Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483

Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : JBAA

CAS-No : 133-32-4 Ec-Index No. : ----

Molar Mass : 203.24 EC-No. : 205-101-5

Molecular Formula : $C_{12}H_{13}NO_2$

3. HAZARDS IDENTIFICATION : The data available to us do not suffice to permit any industrial-toxicological assessment.

4. FIRST AID MEASURES : After inhalation : Fresh air.
After skin contact : Wash off with plenty of water.
After eye contact : Rinse out with plenty of water with the eyelid held wide open.
After swallowing : Make victim drink water, induce vomiting, Summon doctor.

5. FIRE-FIGHTING MEASURES : Suitable extinguishing media: Powder, foam, water
Special risks : Combustible. Formation of hazardous combustion gases or vapours possible in the event of fire.



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The following may develop in event of fire : nitrogen oxides.

Other information : Contain escaping vapours with water.

6. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures : Avoid generation of dusts; Do not inhale dusts.

Procedures for cleaning/absorption : Take up dry. Forward for disposal.

Clean up affected area.

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed in a well-ventilated place.

At +5° C to +30° C.

Accessible only for authorised persons.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.

Eye Protection : Required

Hand Protection : Required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Immediately change contaminated clothing.

Wash hands after working with substance.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	White
Odour	:	Almost odourless
pH value	:	Not available
Melting temperature	:	121 – 124° C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash Point	:	Not available
Explosion limit lower	:	Not available
upper	:	Not available
Relative vapour density	:	Not available
Density	:	Not available
Bulk Density	:	~ 360 kg/m ³
Solubility in Water (20° C)	:	Slightly Soluble
Ethanol (20° C)	:	~ 260 g/l

10. STABILITY & REACTIVITY

Conditions to be avoided	:	Heating
Substances to be avoided	:	No information available.
Hazardous decomposition products	:	
	:	In the event of fire : Nitrogen Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity :

Quantitative data on the toxicity of this product are not available.

Further data : Hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.



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12. ECOLOGICAL INFORMATION

Ecotoxic effects : Quantitative data on the ecological effect of this product are not available.

13. DISPOSAL METHOD

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like house-hold waste or recycled.

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.

14. TRANSPORT INFORMATION

Transport over land

ADR/RID & GGVS/GGVE :	GGVS/GGVE class : 6.1	Number and letter : 25a
	ADR/RID class : 6.1	Number and letter : 25a
	Name of material : INDOLE-3-BUTYRIC ACID	

Sea Transport IMDG :	IMDG class : 6.1	UN No. : 2811	Packing group : I
	Ems : 6.1-04	MFAG : 4.2	
	Correct Technical Name : INDOLE-3-BUTYRIC ACID		

Air Transport ICAO-TI and IATA-DGR :	ICAO/IATA class : 6.1	UN No. : 2811
	Packaging group : I	
	Correct Technical Name : INDOLE-3-BUTYRIC ACID	



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15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : ----

R-phrases : ----

S-phrases :

Water pollution class : 2 (polluting substance) (own classification)

16. OTHER INFORMATION

Reason for alteration.

General update.

Change/addition in the chapter 7.

Change/addition in the chapter 8.

Change in the chapter on toxicology.

The information contained herein is based on the present state of our knowledge.

It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
