

EC SAFETY DATA SHEET

Trade Name : **BOMBAY IPA**

Status : 05/01/2011

Product Code : BW5030

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1.) Identification of the substance / preparation and company

Product details

Trade Name **BOMBAY IPA**
Use Auxiliary for press clean up

Identification of supplier Address

Bombay Wellprint Inks Private Limited,
C-93/2, M.I.D.C., Hingna Industrial Area,
Nagpur- 440028 (INDIA)
Telephone No. : +91 7104 236180
Fax No. : +91 7104 236911
Emergency No. : +91 9923333601

2.) Composition / information on ingredients

Chemical characterization

Isopropyl alcohol

Substance / product identification

Index no. 603-003-00-0
CAS no. 67-63-0
EC no. 200-661-7

3.) Hazardous Identification

Classification

F;R11 Highly flammable.
Xi;R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

Hazardous Symbols

F Highly flammable
Xi Irritant

R Phrases

11 Highly flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.

4.) First Aid Measure

General Information : In case of persisting adverse effects consult a physician.
Remove contaminated clothing & shoes immediately and launder thoroughly before reusing.

After Inhalation : Remove affected persons from dangerous area by observing suitable Respiratory protection measures. Ensure supply of fresh air, Irregular breathing/no breathing: artificial respiration. Summon a doctor immediately.

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After Skin Contact : Wash off immediately with soap and water.

After Eye Contact : Separate eyelids, wash the eyes thoroughly with water (15 min)

After Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position. Summon a doctor immediately.

5.) Fire Fighting Measures

Suitable extinguishing media

Foam; extinguishing powder; Water spray jet; Carbon dioxide

Extinguishing media that must not be used for safety reason

Full water jet

Special exposure hazards arising from the substances or preparation itself, its combustion products or from resulting gases

None known

Special protective equipments for firefighting

Use self contained birthing apparatus. Wear protective clothing.

Other information

Cool endangered containers with water spray jet. Do not spray water into containers, to prevent over foaming. Suppress gases/vapours/mists with water spray jet.

6.) Accidental Release Measures

Personal Precautions

Refer to protective measures listed in section 7 and 8. Avoid contact with skin, eyes and clothing ensure adequate ventilation. Keep away sources of ignition.

Environmental Precautions

Do not discharge into drain/ surface water/ ground water, in case of entry into water ways, soil or drain, inform the responsible authorities.

Method for cleaning up/ taking up

Take up the absorbent material (e.g. sand, kieselguhr, universal binder), send in suitable containers for recovery or disposable.

7.) Handling & Storage

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary).

If workplace limits are exceeded, respiratory protection approved for this particular job must be worn. Product inherent handling risks must be minimized taking the appropriate measure for protection and preventive actions. The work process should be designed to rule out the release the hazardous substances or skin contact as far it is possible by the state of the art.

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Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition.

Storage

Requirement for storage rooms and vessels.

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of the same material as original one.

Advice on storage assembly

Do not store together with : Oxidizing agent, Acids

Further information on storage conditions

Keep container tightly closed in cool, well-ventilated place.

8.) Exposure Controls/ Personal Protection

Exposure limit values

Propan-2-OL

CAS No. 67-63-0

EC No. 200-661-7

Occupational Exposure Standard (OESs) / EH40

Propan-2-ol

TWA 999 mg/m³ 400 ml/m³

STEL 1250 mg/m³ 500 ml/m³

Personal protective equipment

Respiratory protection

If work place exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Short term : filter apparatus, filter A/P.

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e EN 374, in the event of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile ; neoprene

Eye Protection

Safety glasses with side protection shield (EN 166)

Skin Protection

Clothing as usual in the chemical industry.

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General Protective and Hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

9.) Physical and Chemical Properties

General Information

Form	liquid
Colour	colourless
Odour	alcohol-like

Important health, safety and environmental information

Change in physical stage

Type	Melting point
Value	-89,5 °C
Type	Boiling point
Value	82°C
Method	ASTM D 1078

Flash Point

Value	12°C
Method	IP 170

Ignition temperature

Value	425 °C
Method	ASTM D 2155

Explosion limits

Upper explosion limit	12,00% vol
Lower explosion limit	2,00% vol

Vapour pressure

Value	4,3 kPa
Reference substances	20°C

Density

Value	0,785 g/cm ³
Reference temperature	20°C

Viscosity

Types	dynamic
Value	2,43 mPa*s
Reference temperature	20°C

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Solubility in water

Remarks miscible in all proportions

10.) Stability and Reactivity

Conditions to avoid

None know

Materials to avoid

Oxidizing agents; acids

Hazardous decomposition products

No hazardous decomposition production known.

Thermal decomposition

Remarks No decomposition if used as prescribed.

11.) Toxicological Information

Acute toxicity

Acute oral toxicity

LD50 4570 mg/kg
Species rat

Experience in practice

Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin.

Eye contact with the product may lead to irritation.

Inhalation may lead to irritation of the respiratory tract.

Inhalation of solvent vapors is higher concentration may lead to nausea, headache, drowsiness and dizziness.

12.) Ecological Information

General information/ ecology

Do not discharge into the drain or waters and do not store on public depositories.

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13.) Disposal Considerations

Products

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in the agreement with regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14.) Transport Information

Land transport ADR/RID

Class	3	Classification code	F1
Packing group	II		
Hazard id no.	33		
Label	3		
UN Number	1219		
Technical name	Isopropanol (isopropyl alcohol)		

Marine transport IMDG/GGVSee

Class	3
Packing group	II
UN number	1219
Proper shipping name	Isopropanol (isopropyl alcohol)
EmS	F-E,S-D
Marpol	---
Label	3

Air transport ICAO/IATA

Class	3
Packing group	II
UN number	1219
Proper shipping name	Isopropanol (isopropyl alcohol)
Label	3

15.) Regulatory Information

Labeling in accordance with EC directives 1999/45/EC.

"EC- label"

Ec no. 200-661-7

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Hazardous Symbols

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R Phrases

11 Highly flammable
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.

S Phrases

7 Keep container tightly closed.
16 Keep away from sources of ignition---No smoking.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of Water and seek.

Council Directive 96/82/EC on the control of major- accident hazards involving dangerous substances

Remarks Annex.1, part 2, category 7b

National regulations

Other regulations, restrictions and prohibition regulations

VOC 100%

16.) Other Information

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.