



# **SAFETY DATA SHEET**

## **1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY**

Catalogue No.: B42029

Product Name: **2-BUTOXY ETHANOL (Butyl Cellosolve)**

### *Manufacturer / supplier identification*

Company : NICE CHEMICALS PVT.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

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## **2. COMPOSITION / INFORMATION ON INGREDIENTS**

### *Synonyms*

2-Butoxy ethanol; Butyl glycol

CAS-No : 111-76-2 EC –No. 203-905-0

Molar mass : 118.18 EC-Index No. 603-014-00-0

Molecular formula : C<sub>6</sub>H<sub>14</sub>O<sub>2</sub>

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## **3. HAZARDS IDENTIFICATION**

Harmful by inhalation, in contact with skin and if swallowed, irritating to respiratory System.

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## **4. FIRST AID MEASURES**

After eye contact : Rinse out with plenty water with the eyelid held wide open.  
Summon eye specialist.

After inhalation : fresh air.

After skin contact : wash off with plenty of water. Remove contaminated clothing.

After swallowing : make the victim drink plenty of water , induce vomiting.  
Summon doctor.

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### **5. FIRE – FIGHTING MEASURES**

Suitable extinguishing media : water, CO<sub>2</sub>, foam, powder.

Special risks : Combustible. Development of hazardous combustion gases or vapours possible in the event of fire .

Special protective equipment for fire fighting : Do not stay in dangerous zone with our self contained breathing apparatus.

Other information : Prevent firefighting water from entering surface water or ground water.

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### **6. ACCIDENTAL RELEASE MEASURES**

Person-related precautionary measures: do not inhale vapours/aerosols. Ensure supply of fresh air in enclosed rooms.

Environmental protection measures : do not allow to enter sewerage system.

Procedures for cleaning/absorption : take up with liquid absorbent material. Forward for disposal. Clean up affected area.

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### **7. HANDLING AND STORAGE**

Handling : Protected from light.

Storage : At +15<sup>0</sup>C to +25<sup>0</sup>C. Tightly closed. No further requirements.

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### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

*Personal protective equipment*

Respiratory protection : required when vapours/aerosols 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 protective clothing to chemicals should be ascertained with the respective supplier.



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Industrial hygiene : Immediately change contaminated clothing.  
Application of skin protective barrier cream recommended .Wash hands and face after working with substance.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	liquid
Colour	:	colourless
Odour	:	slightly ethereal
PH value	:	7
Viscosity dynamic (20 <sup>0</sup> C)	:	5.31 mPa*s
Melting temperature	:	-70 <sup>0</sup> C
Boiling temperature	:	170 – 172 <sup>0</sup> C
Ignition temperature	:	230 °C
Flash point	:	60 <sup>0</sup> C
Explosion limits	Lower :	1.9 Vol%
	Upper :	10.3 Vol%
Vapour pressure (20 <sup>0</sup> C)	:	0.8 hPa
	(50 <sup>0</sup> C)	: 7.6 hPa
Relative vapour density	:	Not available
Density (20 <sup>0</sup> C)	:	0.90g/cm <sup>3</sup>
Solubility in water(20 <sup>0</sup> C)	:	Soluble
Organic Solvents (20 <sup>0</sup> C)	:	Soluble

#### *Further information*

Distillable in an undecomposed state at normal pressure

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### 10. STABILITY AND REACTIVITY

<i>Conditions to be avoided</i>	: No information available
<i>Substance to be avoided</i>	: No information available
<i>Hazardous decomposition products</i>	: No information available.

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### **11. TOXICOLOGICAL INFORMATION**

Acute toxicity : LD<sub>50</sub> (oral,rat): 1480mg/kg

LD<sub>50</sub>(dermal,rabbit) : 490mg/kg

*Subacute to chronic toxicity* : An embryotoxic effect need not be feared when the  
Threshold limit value is observed.

*Further toxicological information:*

After inhalation : Irritations of the mucous membranes, coughing and dyspnoea

After skin contact : Danger of skin absorption.

After swallowing : Irritations of mucous membranes in the mouth, pharynx, oesophagus  
and gastrointestinal tract.

No description of any further symptoms is available.

*Further data:* The product should be handled with the care usual when dealing with chemicals.

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### **12. ECOLOGICAL INFORMATION**

Ecotoxic effects: fish toxicity: fish LC<sub>0</sub> :>1000mg/l

Bacterial toxicity: bacteria EC<sub>0</sub>: >1000mg/l

*Further ecological data*

No ecological problems are to be expected when the product is handled and used with due care  
and attention.

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### **13. DISPOSAL METHOD**

#### *Product*

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC Member countries through that you corresponding laws and regulations. We recommend contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

#### *Packaging*

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 household waste or recycled.

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**14. TRANSPORT INFORMATION** : No subject to transport regulations.

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### **15. Regulatory Information**

#### *Labelling according to EC Directives*

Symbol	:	X <sub>n</sub>	Harmful
R-phrases	:	20/21/22-37	Harmful by inhalation, in contact with skin and if swallowed. Irritating to respiratory system.
S-phrases	:	24/25	Avoid contact with skin and eyes
Water pollution class	:	1 (slightly polluting substance)	

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### **16. Other information**

*Reason for alteration* : general update

*The information contained here in is based on the present state of our knowledge.*

*It characterizes the product with regard to the appropriate safety precautions.*

*It does not represent a guarantee of the properties of the product.*