



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 (P) Ltd. , Cochin , India

Tel - 0484 – 2788700/701/702

Contact for Information : Tel . No. – 0484 - 2788725/726

Emergency Telephone No. : 0484 - 2788725/726

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 : C₆H₁₄O₂

3. HAZARDS IDENTIFICATION

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

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.



SAFETY DATA SHEET

Catalogue No. : B42029
Product Name : 2-BUTOXY ETHANOL

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : water, CO₂, 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.

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.

7. HANDLING AND STORAGE

Handling : Protected from light.

Storage : At +15⁰C to +25⁰C. Tightly closed. No further requirements.

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.



SAFETY DATA SHEET

Catalogue No. : **B42029**
Product Name : **2-BUTOXY ETHANOL**

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Colour : colourless
Odour : slightly ethereal
PH value : 7
Viscosity dynamic (20⁰C) : 5.31 mPa *s
Melting temperature : -70⁰C
Boiling temperature : 170 – 172⁰C
Ignition temperature : 230 °C
Flash point : 60⁰C
Explosion limits Lower : 1.9 Vol%
Upper : 10.3 Vol%
Vapour pressure (20⁰C) : 0.8 hPa
(50⁰C) : 7.6 hPa
Relative vapour density : Not available
Density (20⁰C) : 0.90g/cm³
Solubility in water(20⁰C) : Soluble
Organic Solvents (20⁰C) : Soluble

Further information

Distillable in an undecomposed state at normal pressure

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available

Substance to be avoided : No information available

Hazardous decomposition products : No information available.

Catalogue No. : B42029
Product Name : 2-BUTOXY ETHANOL

11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD₅₀ (oral, rat): 1480mg/kg
LD₅₀ (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.

12. ECOLOGICAL INFORMATION

Ecotoxic effects: fish toxicity: fish LC₀ : >1000mg/l
Bacterial toxicity: bacteria EC₀: >1000mg/l

Further ecological data

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



SAFETY DATA SHEET

Catalogue No. : B42029
Product Name : 2-BUTOXY ETHANOL

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.

14. TRANSPORT INFORMATION : No subject to transport regulations.

15. Regulatory Information

Labelling according to EC Directives

Symbol : X_n 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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Catalogue No. : B42029
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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.