

MATERIAL SAFETY DATA SHEET

Reviewed on:

11-5-2005

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**Article number:** 944-01-235600**Product name:** Inno CLEAN**Supplier:** Innosystems NI Ltd**Emergency phone:** +44 (0) 28 30 830 006**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient	CAS no	EINECS no	% by Wt	Hazard symbol	R-phrase
Disodium metasilicate	6834-92-0	229-912-9	1 - 2.5	C	34, 37
2-butoxyethanol	111-76-2	203-905-0	1 - 2.5	Xn	20/21/22, 36/38
Propan-2-ol	67-63-0	200-661-7	1 - 2.5	F, Xi	11, 36, 67

3. HAZARDS IDENTIFICATION**Main Hazard:** not applicable**4. FIRST AID MEASURES - ACTION****Skin contact:** If irritation persists: consult a doctor/medical service. Rinse with water. Use of soap is allowed.**Eye contact:** If irritation persists: consult a doctor/medical service. Rinse with water. Do not apply neutralizing agents.**Ingestion:** If you feel unwell: consult a doctor/medical service. Never give water to an unconscious person. Do not induce vomiting.**Inhalation:** If breathing problems develop: consult a doctor/medical service. Remove the victim into fresh air. Unconscious: maintain adequate airway and respiration.**5. FIRE-FIGHTING MEASURES****Extinguishing media:** Polyvalent foam, BC powder, sand.**Exposure hazards:** Upon combustion CO and CO2 are formed.**Protection of fire-fighters:** Heat/fire exposure: compressed air/oxygen apparatus. Protective clothing for exposure to chemicals.**6. ACCIDENTAL RELEASE MEASURES****Personal precautions:** See section 8.**Environmental precautions:** Contain released substance.**Clean-up procedures:** Liquid spill: take up into non flammable absorbent material like dry earth or sand. Shovel absorbed substance in closing drums. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.**7. HANDLING AND STORAGE****Handling requirements:** Observe normal hygiene standards. Remove contaminated clothing. Clean contaminated clothing.**Storage conditions:** Keep away from: heat sources, oxidizing agents, acids, bases, amines, alcohols.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
2-butoxyethanol	25		50	
Propan-2-ol	400	999	500	1250

Conditions during operating: Ensure adequate ventilation of the working area.

Respiratory protection: If ventilation insufficient, wear respiratory protection.

Hand protection: Gloves

Eye protection: Approved safety goggles.

Skin protection: Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

State: Liquid

Colour: Yellow

Odour: Characteristic

Solubility in water: soluble

VOC %: 2/5

Relative density: 1.0

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Materials to avoid: Keep away from: heat sources, oxidizing agents, acids, bases, amines, alcohols.

Hazard decomposition products: Upon combustion CO and CO2 are formed. Reacts violently with alcohols and amines. Reacts exothermic with (strong) oxidizers and (strong) acids/bases.

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11. TOXICOLOGICAL INFORMATION

Inhalation:

- 2-butoxyethanol
LC50 RAT: 450 ppm/4 h
- Propan-2-ol
LC50 RAT: 73 mg/l/4 h
- LC50 RAT: 2935 ppm/4 h

Ingestion:

- Disodium metasilicate
LD50 RAT: 1500 mg/kg
- 2-butoxyethanol
LD50 RAT: 530 mg/kg
- Propan-2-ol
LD50 RAT: >2000 mg/kg

Skin contact:

- Propan-2-ol
LD50 RABBIT: 12870 mg/kg

Other health risks: AFTER CONTACT WITH THE EYES:
- irritation of eye tissue

Chronic toxicity: Contains substance with uncertain carcinogenic properties(2-butoxyethanol).
ON CONTINUOUS EXPOSURE/CONTACT:
- Dry skin

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water

13. DISPOSAL CONSIDERATIONS

Disposal operations: Do not dump into sewers or environment. Remove to an authorized waste disposal. Contains a component which may not be disposed into surface water (Propan-2-ol; 2-butoxyethanol).

14. TRANSPORT INFORMATION

ADR

ADR class: not classified

IMDG

IMDG class: not classified

ICAO/IATA

ICAO/IATA class: not classified

15. REGULATORY INFORMATION

EG-richtlijnen: Labelling in accordance with directives 67/548/EEC and 1999/45/EC.

Water hazard class: 1

Note: NOT REQUIRED ACCORDING TO AVAILABLE INFORMATION

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16. ADDITIONAL INFORMATION

Risk phrases used in S2

R11 - Highly Flammable

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

R34 - Causes burns

R36 - Irritating to the eyes

R36/38 - Irritating to eyes and skin

R37 - Irritating to the respiratory system

R67 - Vapors may cause drowsiness and dizziness

Legal

disclaimer:

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.