

EC-Material Safety Data Sheet according to 2001/58/EG
EC Date.... : 20 Sep 06
Release..... : 06.1

MCI-2330 Multi functional cleaner

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1. IDENTIFICATION OF THE PRODUCT and OF THE ENTERPRISE

Chemical name: Cleaning agent

Manufacturer	Cobar Europe BV PO Box 3251 4800 DG Breda Holland	Agent	
Emergency	phone : +31 (0)76 544 5566 fax : +31 (0)76 544 5577	Emergency	phone : fax.....:

2. INFORMATION ON INGREDIENTS/COMPOSITION

Ingredients	Classification	Weight %	CAS-No	TLV-value
Tetrahydrofurfuryl alcohol	R36	75-100	97-99-4	No TLV established

3. HAZARDS IDENTIFICATION

Most important hazards	R36: irritating to eyes. A high concentration of liquid, mist, or vapor may cause irritation of the connective tissue.
Eyes	
Skin	Repeatedly or continuous contact may degrease the skin that may lead to irritation and allergies. Absorption of harmful substances is unlikely.
Choking	Depression of the central nervous system. Effects of overexposure may be: nausea, vomiting, tummy ache, dizziness, unconsciousness. Inhalation or vomiting may cause severe lung damage.
Inhalation	Unlikely to occur.

4. FIRST AID MEASURES

Eye contact	Flush with copious warm water for at least 15 minutes, with open eye. Call physician at once.
Skin contact	Flush with copious water for at least 15 minutes. Infected clothing must be washed in case of reuse.
Ingestion	Rinse mouth with water. Keep warm and calm. DO NOT induce vomiting! Call physician at once.
Inhalation	Move person to fresh air. If necessary, restore and support breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

5. EXTINGUISHING MEASURES

Proper extinguishing media	Water, carbon dioxide, dry powder, alcohol foam.
Improper extinguishing media	Do not use jet of water.
Protective clothing	Wearing of appropriate protective masks.

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6. MEASURES TO EXPOSURE OF THE PRODUCT

Personal precautions	Wearing of protective clothing.
Environmental precautions	Keep away from drains, surface-water, ground water and soil.
Cleaning procedures	Absorb with sand and other diminishing material. Waste disposal could be done by incineration in furnace but should be delivered in proper containers.

7. HANDLING AND STORAGE

Handling	Use in well-ventilated areas; avoid breathing vapors. Keep containers closed when not in use.
Storage	Keep in cool, well-ventilated area. This should be done in accordance with the applicable laws and regulations.

8. EXPOSURE CONTROLS/PERSONAL EXPOSURE

Control parameters	TLV is not established.
Other regulations	not applicable.
Measures for technical control	Preference of technical measure to prevent or control contact with the product. Isolating process and personnel, mechanical ventilation (dilution and local exhaust) and the regulation of process conditions. In case of non-prevention or non-control, a proper protective wearing is advised.
Respiratory protection	General ventilation and local exhaust are required to minimize or eliminate exposure to mist and vapors.
Hand protection	Solvent-resistant gloves (butyl rubber).
Eye protection	Safety glasses with side-shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	liquid
Color	clear straw
Smell	mild
Boiling point at °C	150
Melting point at °C	not determined
Flashpoint at °C	82
Vapor pressure, mmHg at 20 °C	0.19
Vapor density (air = 1)	not determined
Density at 20 °C	1.04-1.06
Evaporation rate	not established

10. STABILITY AND REACTIVITY

Stability/reactivity	Stable product at normal conditions.
Conditions to avoid	High temperatures, sparks, flame, or other sources of ignition.
Materials to avoid	Strong oxidizers and acids.
Hazardous decomposition products	Decomposition vapors will mainly consist of oxides of carbon; may contain particles of inorganic oxides and salts.
Other	Do not add nitrites due to possible formation of nitrosoamines.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity	None.
Specific effects	Not established on product as whole. Tetrahydrofurfuryl alcohol may cause adverse reproductive effects based on animal studies.

12. ECOLOGICAL INFORMATION

Mobility	The product is miscible with water.
Degradability	This product is readily biodegradable (5-day BOD at 0.01% is 7.2 mg/L).
Bioaccumulation	No data available on product as a whole.
Ecotoxicity	Risk of oxygen depletion in aquatic systems is very slight. (COD at 0.01% is 181 mg/L)
Reference to BlmSchV	not applicable
Hazard classification	not applicable

13. DISPOSAL CONSIDERATIONS

Product	Waste must be disposed of in accordance with government environmental control regulations. Do not reuse empty containers.
Hazardous waste number	Since regulations vary, consult applicable regulations, or authorities before disposal.
European Waste Catalogue Number (EWC) :	070601 : Aqueous washing liquids or mother liquors.

14. TRANSPORT INFORMATION

UN number	not applicable
ADR/RID class	not applicable
ADR/RID number	not applicable
ADR/RID	not applicable
GGVS/GGVE	not applicable
IMDG-packaging group	not applicable
IMDG-class	not applicable
IMDG-Marine pollutant	not applicable
IMDG-EmS number	not applicable
IMDG-MFAG-table number	not applicable
IATA packaging group	not applicable
IATA class	not applicable
GVS	not applicable

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15. REGULATORY INFORMATION

Physical/chemical indication	not applicable
Risk-phrase	R36 irritating to eyes
Safety-phrases	S2 Keep out of reach of children S39 Wear eye/face protection
RoHS	Compliant
EC appendix 1 classification	Xi, Irritant
EC number in appendix 1	not applicable

16. OTHER INFORMATION

Further information	Instruction to staff according to Act Dangerous Goods, part 3, paragraph 14 and next.
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