



Cobar Europe BV
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EC-Material Safety Data Sheet according to 2001/58/EG
EC Date..... : 06 Nov 2006
Release..... : 06.1

675-BJ Low VOC Cleaning Agent

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1. IDENTIFICATION OF THE PRODUCT and OF THE ENTERPRISE

Chemical name: Cobar 675-BJ Low VOC Cleaning Agent

Manufacturer: Cobar Europe B.V.
Postbus 3251
4800 DG Breda
Aluminiumstraat 2
4823 AL Breda
Holland

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2. INFORMATION ON INGREDIENTS/COMPOSITION

Ingredients	Classification	Weight %	CAS-No.	TLV-value
Heterocyclic solvent		70-75	872-50-4	22ppm
De-ionized water		15-20	7732-18-5	22ppm
Ethyl Alcohol	F; R11	< 6	64-17-5	1000ppm

3. HAZARDS IDENTIFICATION

Most important hazards	Clear to slightly hazy liquid with slight amine odor. Corrosive. Causes severe eye and skin burns.
Eyes	Causes painful stinging or burning of eyes and lids, watering of eyes, conjunctivitis, opaqueness of cornea, possibly leading to loss of sight.
Skin	Contact causes smarting and burning sensations, inflammation, burns. Painful blisters. Profound damage to tissue.
Choking	Causes smarting and burning sensations, inflammation, burns and painful blisters of the mouth, throat and digestive tract. Profound damage to tissue.
Inhalation	If misted, causes irritation to mucous membranes, nose, eyes and throat. Coughing, difficulty in breathing.

4. FIRST AID MEASURES

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Skin contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash clothing before reuse. Destroy contaminated shoes.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
Ingestion	Do not induce vomiting. If conscious, dilute by giving two glasses of water. Call a physician.



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5. EXTINGUISHING MEASURES

Media	Use media proper to primary cause of fire.
Special fire fighting procedures	Firefighters should wear self-contained breathing apparatus and appropriate protective equipment (see section 08).
Fire/explosion hazards	None known
Hazardous decomposition products	Toxic fumes of NO ^x emitted when heated to decomposition.

6. MEASURES TO EXPOSURE OF THE PRODUCT

Personal precautions	This is a dot corrosive liquid. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Avoid breathing mist. Use with adequate ventilation for misting operations. Keep containers closed. Use unbreakable containers.
Cleaning procedures	(Refer to section 08 for appropriate protective equipment to be worn during clean-up procedures) Absorb with earth, sand or similar inert material and dispose of with solid waste according to federal, state and local regulations. Flush spill area with water. Containers should be properly labeled.

7. HANDLING AND STORAGE

Handling	This is a dot corrosive liquid. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Avoid breathing mist. Use with adequate ventilation for misting operations. Keep containers closed. Use unbreakable containers.
Storage	Normal warehousing

8. EXPOSURE CONTROLS/PERSONAL EXPOSURE

Ventilation	Use with adequate ventilation for misting operations.
Respiratory protection	Niosh-approved respirator for organic vapor when excess vapor is likely in breathing zone.
Eye protection	Chemical goggles and face shields, if possibility of splashing onto face exists.
Skin protection	Impervious gloves, rubber apron, long-sleeved shirt.
Personal hygiene	Wash thoroughly after handling .
Protective measurements during Repair/maintenance of equipment	Wash equipment thoroughly with steam or warm water until clean. Check for flammables with an explosion meter and also check the oxygen level with an oxygen meter. In all cases follow good industrial safety practices before entering equipment.
Exposure limits	See section 02 for composition/information on hazardous ingredients.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor density (air = 1)	not volatile
Vapor pressure at 50 °C [kPa]	20*
Inflammability limits (vol. % in air)	no data found
Form	liquid
Smell	aromatic
Appearance	clear to slightly hazy liquid
Boiling point at °C	112.9
Solubility in water (mg/l)	poor
Melting point at °C	no data found
Density at 25° C	1.014
Evaporation rate	2.0
Flashpoint at °C	101
pH of solution	7.00 – 10.00 (10% solution (50% IPA:50% H ₂ O))
Percentage volatiles	1.00 % water (maximum)
Biodegradability	Modified semi-continuous activated sludge test: biodegradable. Modified Sturm test: readily biodegradable.

10. STABILITY AND REACTIVITY

Stability/reactivity	Stable
Hazardous polymerization	Will not occur
Conditions to avoid	Not known
Materials to avoid	Not known.
Hazardous decomposition products	Toxic fumes of NO ^x emitted when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

All information refers to the main component 2-propanol.

Acute toxicity

Oral toxicity	LD50/oral/rat = 2050 mg/kg.
Dermal toxicity	LD50/skin/rabbit > 2000 mg/kg.
Inhalation toxicity	No data found
Skin irritation	Rabbit; 2% aqueous suspension: minimally irritating. Rabbit ; undiluted material : extremely irritating
Eye irritation	Rabbit; 2% aqueous suspension, with and without washout : non irritating as tested. Rabbit: undiluted material: extremely irritating without washout; severely irritating with washout.
Sensitizer	NO Human (M&F); repeated insult patch test; 1% aqueous suspension; did not induce contact dermal sensitization. Human; 1% aqueous suspension; did not induce contact dermal photo toxicity or photo allergy.
Dot corrosive	Yes Rabbit: undiluted material: corrosive.

Other toxicity

Other acute toxicity	No data found
Sub chronic oral toxicity	Rat: 28-day; high dose level of 320 mg/kg/day caused a number of statistically significant changes which were not considered to be treatment related.
Sub chronic inhalation toxicity	No data found



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Sub chronic miscellaneous toxicity	Rabbit: comedogenic assay; test article scored as having a comedogenic potential of 0.67 on a scale 0-5, corresponding to a slightly comedogenic grade; expected to be noncomedogenic in humans.
Aquatic toxicity	96-hour static LC50 (bluegill sunfish): 22,5 mg/l 48-hour static EC50 (Daphnia Magna): 19,1 mg/l 96-hour static EC50 (selenastrum Capricornutum): 6,20 mg/l; 96-hour NOEC: 3,24 mg/l
Tumorigenicity	No data found
Mutagenicity	Ames assay; nonmutagenic Mouse micronucleus in vivo cytogenetic test: did nit demonstrate mutagenetic potential.
Reproductive toxicity	No data found
Miscellaneous toxicity	No data found

12. ECOLOGICAL INFORMATION

Biodegradability	Modified semi-continuous activated sludge test: biodegradable. Modified Sturm test: readily biodegradable
Aquatic toxicity	96-hour static LC50 (bluegill sunfish): 22,5 mg/l 48-hour static EC50 (Daphnia Magna): 19,1 mg/l 96-hour static EC50 (selenastrum Capricornutum): 6,20 mg/l;

13. DISPOSAL CONSIDERATIONS

Method	Dispose of with liquid waste according to federal, state and local regulations.
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14. TRANSPORT INFORMATION

UN Number	UN-1760
UN class	8.3
Packing group	III
IMO code page	N/A
Cargo aircraft (packing note)	(IATA 820) 1 liter; (*18) 5 liters
Tremcard	80G20
Class	8
Item number	66C
HI number	80/1760
Cargo	corrosive liquids, not flammable



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15. REGULATORY INFORMATION

Classification	C, Corrosive
Label risk phrases	R34 - S23-36/37/39-45

16. OTHER INFORMATION

Further information	No data found
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Disclaimer

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