

SAFETY DATA SHEET

1250

1. Identification of the substance/preparation and of the company/undertaking

Product name : 1250 **Code** : 1250

Chemical product name : melamin-formaldehyde resin

Manufacturer : Casco Adhesives AB
100 61 Stockholm, Sweden
Phone: +46 8 743 4000

Supplier : Casco Adhesives AB
100 61 Stockholm, Sweden
Phone: +46 8 743 4000

Emergency telephone number : +46 8 33 70 43 **Telephone no.:** : +46 8 743 40 00

Material uses : Industrial applications: Wood Adhesives

2. Composition/information on ingredients

Substance/preparation : Preparation

Chemical name*	CAS no.	%	EC Number	Classification
Methanol	67-56-1	1-5	200-659-6	F; R11 T; R23/24/25, 39/23/24/25
Formaldehyde	50-00-0	0.1-1	200-001-8	Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43
See section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xn; R20/21/22, 68/20/21/22
R43
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R68/20/21/22- Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
R43- May cause sensitisation by skin contact.

Effects and symptoms

Skin contact : Hazardous in case of skin contact (irritant, sensitiser). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Aggravating conditions : Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

4. First aid measures

First-Aid measures

Inhalation : If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Wash clothing before reuse.

- Eye Contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention.

5. Fire-fighting measures

Extinguishing Media

- Suitable** : In case of fire, use water spray (fog), foam, dry chemical, or CO₂.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO₂). nitrogen oxides (NO, NO₂...)
- Special fire-fighting procedures** : Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.
- Protection of fire-fighters** : Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

- Personal Precautions** : Splash goggles. Full suit. Boots. Gloves (plastic).
- Environmental precautions and clean-up methods** : Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Keep locked up. Do not ingest. Do not breathe gas/fumes/vapour/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between -30 to 30°C (-22 to 86°F).
- Packaging materials**
- Recommended use** : Use original container.

8. Exposure controls/personal protection

- Engineering measures** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- Hygiene measures** : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
Methanol	EU OEL (Europe, 1991). Notes: Indicative TWA: 260 mg/m ³ 8 hour(s). TWA: 200 ppm 8 hour(s).
Formaldehyde	ACGIH TLV (United States, 2003). Notes: Substance identified by other sources as a suspected or confirmed human carcinogen. 2000 Adoption. Refers to Appendix A – Carcinogens. CEIL: 0,37 mg/m ³ CEIL: 0,3 ppm

Personal protective equipment

- Respiratory system** : Vapour respirator. (as filter B) Wear appropriate respirator when ventilation is inadequate.
- Skin and body** : Wear suitable protective clothing.
- Hands** : Butyl gloves. Neoprene gloves. Nitrile gloves. PVC gloves. Always check with the manufacturer of the gloves if their quality fulfils the requirements for the chemical composition.
- Eyes** : Safety glasses.
- Hand protection (breakthrough time)**

9. Physical and chemical properties

Physical state	: Liquid. (Viscous liquid.)
Colour	: White.
Odour	: Characteristic. (Slight.)
pH	: 9.4 to 9.8 (Conc. (% w/w): 100) [Basic.]
Boiling point	:
Melting point	:
Flash point	: Closed cup: >100°C (212°F).
Fire hazards in presence of various substances	:
Auto-ignition temperature	:
Explosive properties	:
Oxidising properties	: Not available.
Density	: 1.255 g/cm ³
Solubility	: Soluble in hot water. Partially soluble in cold water.
Dispersion properties	: See solubility in water.
Viscosity	: Dynamic: 33000 to 43000 cP

10. Stability and reactivity

Stability	: The product is stable.
Hazardous decomposition products	: These products are carbon oxides (CO, CO ₂). nitrogen oxides (NO, NO ₂ ...)

11. Toxicological information

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>	
Methanol	LD50	5628 mg/kg	Oral	Rat	
	LD50	14200 mg/kg	Oral	Rabbit	
	LD50	7300 mg/kg	Oral	Mouse	
	LD50	15800 mg/kg	Dermal	Rabbit	
	LDLo	143 mg/kg	Oral	human	
	LDLo	428 mg/kg	Oral	human	
	LDLo	6422 mg/kg	Oral	man	
	LDLo	393 mg/kg	Dermal	Monkey	
	Formaldehyde	LD50	100 mg/kg	Oral	Rat
		LD50	42 mg/kg	Oral	Mouse
LD50		260 mg/kg	Oral	Guinea pig	
LDLo		108 mg/kg	Oral	woman	

Local effects

Skin irritation	: Hazardous in case of skin contact (irritant).
Sensitisation	: Hazardous in case of skin contact (sensitiser).

Chronic toxicity	: Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
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Specific effects

<u>Ingredient name</u>	<u>Carcinogenic effects</u>	<u>Mutagenic effects</u>	<u>Developmental toxicity</u>	<u>Impairs fertility</u>
Formaldehyde	Carc. Cat. 3; R40			

GENERAL INFORMATION : Not available.

12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
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Methanol	Daphnia magna (EC50)	48 hour(s)	>10000 mg/l
	Oncorhynchus mykiss (EC50)	48 hour(s)	13200 mg/l
	Lepomis macrochirus (EC50)	48 hour(s)	16000 mg/l
	Pimephales promelas (LC50)	96 hour(s)	>100 mg/l
	Daphnia magna (LC50)	96 hour(s)	>100 mg/l
Formaldehyde	Lepomis macrochirus (LC50)	96 hour(s)	15400 mg/l
	Daphnia pulex (EC50)	48 hour(s)	5.8 mg/l
	Daphnia magna (EC50)	48 hour(s)	14 mg/l
	Daphnia magna (EC50)	48 hour(s)	14.6 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	1.41 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	1.51 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	1.79 mg/l

GENERAL INFORMATION : Not available.

13. Disposal considerations

Methods of disposal ; Waste of residues ; Contaminated packaging : Waste must be disposed of in accordance with federal, state and local environmental control regulations. Liquid residues and packages contaminated with those shall be treated as hazardous waste.

European waste catalogue (EWC) : 080409

Hazardous waste : Yes.

14. Transport informationInternational transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

15. Regulatory informationEU Regulations

Hazard symbol(s) :



Harmful

Risk Phrases

: R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R68/20/21/22- Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
R43- May cause sensitisation by skin contact.

Safety Phrases

: S23- Do not breathe vapour.
S36/37- Wear suitable protective clothing and gloves.

Contains

: Methanol 200-659-6
Formaldehyde 200-001-8

16. Other information

Full text of R phrases referred to in sections 2 and 3 - Europe : R11- Highly flammable.
R40- Limited evidence of a carcinogenic effect.
R23/24/25- Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25- Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R34- Causes burns.
R43- May cause sensitisation by skin contact.

Full text of classifications referred to in sections 2 and 3 - Europe : F - Highly flammable
Carc. Cat.3 - Carcinogen Category 3
T - Toxic
C - Corrosive
Xn - Harmful

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Notice to reader

 Indicates information that has changed from previously issued version.