

# MATERIAL SAFETY DATA SHEET

**Product name**
**METALCLAD CeramAlloy CL+[AC] Activator**
**Producer**

ENECON Corporation  
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Medford  
NY 11763-2251  
USA  
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**Importer/Distributor**

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## 1. Identification of the product/preparation

Trade Name: METALCLAD CeramAlloy CL+[AC] Activator.  
Appearance: Yellow-Brown liquid.  
Use: Consult the technical data sheet for detailed information.  
This product is always packed together and delivered with METALCLAD CeramAlloy CL+[AC](Blue or Green) Base and is only used in combination with it.

## 2. Composition/Information on ingredients

component name	weight	CAS nr / EINECS nr	Danger symbols	R-Phrases
Methylenebis(cyclohexyl)amine	<5%	1761-71-3	C	36,37,38,43
Oral (rat) LD50 [g/kg]	:1.62 estimated			
Skin (rabbit) LD50 [g/kg]	:1.0 estimated			
Inhalation LC50 (1h)	:20mg/l estimated			
Epoxy-amine adduct	>20%	proprietary / -	C	34,43
Benzyl Alcohol	<25%	100-51-6 / -	Xi	20,21,22,36,37,38
Oral (rat) LD50 [g/kg]	:1.2			
Skin (rabbit) LD50 [g/kg]	:2.0			
Inhalation LD50	:No data			
Polyoxyalkyleneamine	10-15%	9046-10-0 / -	C	34,43
Oral (rat) LD50 [g/kg]	: 0.4 - 2			
Skin (rabbit) LD50 [g/kg]	: 0.4 - 2			
Inhalation 0 [mg/l]	: 1-5			
Nonyl Phenol	<10%	84852-15-3 / -	C	34
Oral (rat) LD50 [g/kg]	: 1.3			
Skin (rabbit) LD50 [g/kg]	: 2.14			
Inhalation LC50	: No data			
Nonyl Phenol	<10%	25154-52-3/-	C	34
Oral (rat) LD50 [g/kg]	:1.3			
Skin (rabbit) LD50 [g/kg]	:2.14			
Inhalation LD50	:No data			
Aminoethyl Piperazine	5-10%	140-31-8/-	C,T	10,23,24,25,34,43
Oral (rat) LD50 [g/kg]	:1.6			
Skin (rabbit) LD50 [g/kg]	:0.9			
Inhalation LD50	:No data			
Carcinogenicity:	NTP Not listed	IARC Not listed	OSHA Not listed	

## 3. Hazards Identification

Most Important Hazards: Prolonged or repeated contact, on skin, can cause irritation and dermatitis.  
 Contact may cause chemical burn in eye. Vapours may be irritating to the eyes.  
 Vapours can be irritating to the respiratory tract  
 Can be corrosive to the skin.

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#### **4. First Aid Measures**

##### First Aid

-Breathing: Remove patient to fresh air. If breathing is difficult, give oxygen and call for medical help.  
 -Contact with the skin: Wash with soap and water. Launder contaminated clothing before re-use.  
 -Contact with the eyes: Flush the eye(s) with water for 15 minutes. Call for medical help in the event that irritation to the eyes continues after flushing.  
 -Ingestion: DO NOT induce vomiting. Get medical attention.

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#### **5. Fire fighting measures**

Extinguishing media: Water fog, CO<sub>2</sub>, dry chemical, foam.  
 Special exposure hazards: May form carbon dioxide, carbon monoxide and phenolic materials as products of incomplete combustion.  
 Fire and explosion protection: In the immediate vicinity of the fire wear self-contained breathing apparatus with positive pressure. Do not enter the fire without a fire protection suit with breathing protection.

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#### **6. Accidental release measures**

Personal protection: Wear appropriate protective gear.  
 Spills/leaks: Keep out of sewers or drains. Spilled product must be soaked up immediately with an absorbent material or the product must be scraped up.

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#### **7. Handling and Storage**

Precautions for handling and storage: Avoid any contact with skin or eyes.  
 Technical safety measures: Do not eat or drink during use. Wash hands and other exposed skin areas with soap and water after use and eating and drinking must take place away from the work area.  
 Storage: Store in tightly closed containers in a dry room at normal temperature.  
 Conditions to avoid: Contact with strong oxidizers and acids.  
 Handling: Uncontrolled reactions with amines and bases.  
 Before the product is handled, all personnel must be informed of all relevant safety and health warnings and the procedures to follow in the event of an accident. Product handling must follow the procedures for good industrial hygiene and safety.

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#### **8. Exposure controls/personnel protection**

Personal safeguards  
 -Respiratory protection: None required at normal temperature and under normal conditions. If applicator experiences respiratory discomfort, use an approved organic vapour cartridge respirator.  
 -Hand protection: Use impervious rubber gloves  
 -Eye protection: Use safety glasses or goggles.  
 -Skin protection: Cover exposed skin areas with normal protective clothing.

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#### **9. Physical and Chemical properties**

Physical form:	liquid
Colour:	Amber
Odour:	Ammonia odour
% Volatility	Nil
Melting Point (°C):	Not applicable
Boiling Point (°C):	> 200°C
Specific gravity:	0.98
Vapour pressure (mm Hg):	Not applicable
Vapour Density	Not applicable

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## **10. Stability and reactivity**

Stability:	Stable product.
Hazardous decomposition products:	May form carbon dioxide, carbon monoxide and phenolic materials as products of incomplete combustion.
Conditions to avoid:	Contact with strong oxidizers and acids. Uncontrolled reactions with amines and bases.
Hazardous polymerisation:	Will not occur.

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## **11. Toxicological information**

FOR THIS PRODUCT    See item 3: Hazards identification

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## **12. Ecological information**

FOR THIS PRODUCT    No information available

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## **13. Disposal considerations**

Disposal:	In a safe manner and in accordance with the national or regional measures that are in force. By an approved waste disposal company.
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## **14. Transport information**

UN No.	1760
Class	8
Packing Group	III

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## **15. Regulatory information**

EEC labelling	
Danger symbols:	C    Corrosive. Xi    Irritant
R-phrases:	R34    Causes burns R43    May cause sensitisation by skin contact. R36/38    Irritant to skin and eyes.
S-phrases:	S2    Keep out of the reach of children. S7    Keep container tightly closed. S26    In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S27    Take off immediately all contaminated clothing. S28    After contact with skin, wash immediately with plenty of soap and water. S24/25    Avoid contact with skin and eyes. S36/37/39    Wear suitable protective clothing, gloves and eye/face protection.

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## **16. Other Information**

Recommended uses & Restrictions: Consult the technical data sheet for detailed information.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding accuracy of these data or the results obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of material even if reasonable safety procedures are followed. Furthermore, the end user assumes the risk in the use of the material.

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