

# Conlog Control Ltd.

P.O. Box 8, Atlit 30300, Israel  
Tel # : 972-4-9549600  
Fax # : 972-4-9842452; 972-4-9842499  
email : laboratory@carmel-chemicals.com



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## MATERIAL SAFETY DATA

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### 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

#### 1.1 Identification of the substance

**Product Name** : **CYSTRIP U PLASTIC ABRASIVE, Type II**  
**Synonyms** : Thermoset Plastic Abrasive; Plastic Media Blast (PMB)  
**Chemical Family** : Cured and ground form of urea formaldehyde resin moulding compound.  
**Molecular Formula** : Polymer

**1.2 Use of the substance** : Paint stripping, cleaning of metallic or composite surfaces.

**1.3 Company identification:** Conlog Control Ltd., P.O. Box 8, Atlit 30300, Israel,  
Tel: 972-4-9549664

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### OSHA Regulated Components

<u>Component</u>	<u>Cas. No.</u>	<u>%</u>	<u>TWA/Ceiling</u>	<u>Reference</u>
Urea Formaldehyde Polymer	009011-05-6	65-75	Not Listed	OSHA
Cellulose	009004-34-6	25-30	15 mg/m <sup>3</sup> total 5 mg/m <sup>3</sup> respirable 10 mg/m <sup>3</sup>	OSHA OSHA ACGIH
Zinc Stearate	000557-05-1	0.2 - 0.8	10 mg/m <sup>3</sup> total 5 mg/m <sup>3</sup> respirable	OSHA
Barium Sulfate	007727-43-7	0 - 2.0	10 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> respirable	OSHA/ACGIH OSHA
Zinc Oxide	001314-13-2	0 - 1.0	10 mg/m <sup>3</sup> total 5 mg/m <sup>3</sup> respirable	OSHA/ACGIH
Titanium Dioxide	013463-67-7	0 - 2.0	10mg/m <sup>3</sup> total	OSHA/ACGIH
Carbon black	001333-86-4	0 - 1.5	3.5 mg/m <sup>3</sup>	OSHA/ACGIH
Ferric oxide	001309-37-1	0 - 2.0	10 mg/m <sup>3</sup> 5mg/m <sup>3</sup>	OSHA ACGIH

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## CYSTRIP U PLASTIC ABRASIVE - MSDS

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### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance and Odor : Various colored granular material; no odor  
Statements of Hazard : No Warning Statement

#### Potential Health Effect

#### Effects of Overexposure

Direct contact with this material may cause mild eye and skin irritation.  
Inhalation overexposure may cause irritation of the respiratory tract  
*Refer to Section 11 for toxicology information on the OSHA regulated components of this product.*

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### 4. FIRST AID MEASURES

In case of skin contact, wash affected areas of skin with soap and water.  
In case of eye contact, immediately irrigate with plenty of water for 15 minutes

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### 5. FIRE FIGHTING MEASURES

#### Extinguishing Media and Fire Fighting Instructions

As with many solids, any dust that is generated may be explosive if mixed with air in critical proportions and in the presence of a source of ignition. Use water, carbon dioxide or dry chemical to extinguish fires. Wear self-contained, positive pressure breathing apparatus.

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### 6. ACCIDENTAL RELEASE MEASURES

#### Steps to be Taken in Case Material is Released or Spilled:

Sweep up spills and place in a waste disposal container. Flush area with water.

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### 7. HANDLING AND STORAGE

- 7.1 **Handling:** Keep container closed. When handling, avoid eye contact. Maintain good housekeeping to control dust accumulation.
- 7.2 **Storage:** Keep under cover, in a cool and dry place. Avoid moisture penetration.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 Exposure Limit Values:

There are no applicable occupational exposure limit values for CYSTRIP U PLASTIC ABRASIVE

#### 8.2 Exposure Controls

##### 8.2.1 Occupational Exposure Controls

Engineering controls are usually not necessary if good hygiene practices are followed. Before eating, drinking or smoking, wash face and hands thoroughly with soap and water. Avoid unnecessary skin contact. Provide general and /or local exhaust ventilation in order to control airborne dust levels below the exposure guidelines.

##### 8.2.1.1 Respiratory Protection

Use safety masks to avoid dust inhalation.

##### 8.2.1.2 Hand Protection

Gloves made of rubber, plastic or cloth are recommended in order to avoid prolonged skin contact.

##### 8.2.1.3 Eye Protection

For operations where eye contact can occur, eye protection by wearing safety glasses or safety goggles is recommended.

##### 8.2.1.4 Skin Protection

Wear clean body-covering clothing.

##### 8.2.2 Environmental Exposure Controls

This material poses no danger to the environment, be it air, soil or waters.

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### 9. PHYSICAL OR CHEMICAL PROPERTIES

#### 9.1 General Information

Appearance : Solid, granular material; various colors  
Odor : Practically odorless

#### 9.2 Important Health, Safety and Environmental Information

Boiling Point/Range	:	Not applicable
Flash Point	:	Not applicable
Flammability	:	None
Explosive Properties	:	None
Oxidizing Properties	:	None
Vapor Pressure	:	None
Relative Density	:	cca. 1.5
Solubility in water	:	Negligible

#### Other Information

Glow wire ignition temperature : >770°C

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### 10. STABILITY AND REACTIVITY

- 10.1** Conditions to avoid : Avoid storing in humid conditions.  
**10.2** Materials to avoid : None known  
**10.3** Hazardous decomposition products:  
Carbon monoxide, carbon dioxide, formaldehyde, ammonia, nitrogen oxides.
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### 11. TOXICOLOGICAL INFORMATION

Toxicological information on the OSHA regulated components of this product is as follows:

Zinc Stearate is moderately toxic; probable oral lethal dose for humans is 0.5-5.0 g/kg. Inhalation of Zinc Stearate powder may cause severe irritation of respiratory membranes.

Overexposure to barium sulfate is unlikely to cause significant acute toxic effects. Barium sulfate is considered to be an inert dust. Inhalation of barium sulfate can accumulate in the lungs (baritosis) with little or no physical disability.

The oral LD50 (mouse) of zinc oxide is 7950 mg/kg. It is a moderate eye and skin irritant.

Acute overexposure to titanium dioxide dust is not likely to cause adverse effects. When titanium dioxide was fed to rats and mice over lifetime in a carcinogen bioassay, it was not carcinogenic.

Acute overexposure to carbon black dust may cause slight respiratory irritation. The oral LD50 of carbon black in rats is >25.1 g/kg.

Iron oxide overexposure is unlikely to cause significant acute toxic effects. Inhalation of iron oxide fumes or dust can deposit or collect in the lungs (siderosis) with little or no physical disability.

Cellulose is considered an inert or nuisance dust which seems to have little adverse effect on the lung and does not produce significant organic disease or toxic effects. Airborne cellulose dust is non-irritating. Human doses of up to 30 g/day can be tolerated.

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### 12. ECOLOGICAL INFORMATION

#### 12.1 Ecotoxicity

According to the German classification system for substances hazardous to waters, Urea-formaldehyde resins can be classified as: WGK=0.  
No hazard to waters.

#### 12.2 Mobility

If released to the environment, there is no possibility that the material could be transported to groundwater or far from the site of the release.

#### 12.3 Persistence and degradability

Not tested but expected to be readily biodegradable. Having a high nitrogen content it is known to be a nutrient for bacteria, which means biodegradability.

#### 12.4 Bio-accumulative potential: Not tested but expected to be minimal.

#### 12.5 Other adverse effects: None known.

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### 13. DISPOSAL CONSIDERATIONS

Disposal must be made in accordance with the relevant community, regional or national provisions.

#### Uncleaned packaging

Non-contaminated packaging may be recycled. Packaging that may not be cleansed is to be disposed of in the same manner as the product.

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### 14. TRANSPORT INFORMATION

CYSTRIP U PLASTIC ABRASIVE is not a hazardous material for transporting by sea, road and air.

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### 15. REGULATORY INFORMATION

#### **FDA STATUS**

Urea-formaldehyde resins in molded articles are accepted by the U.S. Food and Drug Administration, and may be safely used as the food contact surface of molded articles intended for use in contact with food, as described under Title 21 of the Code of Federal Regulations, paragraph 177. 1900.

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### 16. OTHER INFORMATION

#### N F PA HAZARD RATING (National Fire Protection Association)

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Health 0		0 Reactivity
	-	
	Special	

**FIRE** : Materials that must be preheated before ignition can occur.  
**HEALTH** : Materials which on exposure under fire conditions would offer  
No hazard beyond that of ordinary combustible material.  
**REACTIVITY** : Materials which in themselves are normally stable, even under fire  
Exposure conditions and which are not reactive with water.

This MSDS was prepared according to EC Directive 2001/58/EC.

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Supersedes: 18.02.1996

Prepared by: Health & Environment Dept.,

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