



## Material Safety Data Sheet

Revision Number: 3

Document Number: 01-005-00B1

Material/Trade Name: Kroxx Debonder, Glue Off

### 1 – Identification of the Preparation and Company \*

Material/Trade Name : Kroxx Debonder, Glue Off  
Material Type : Cyanoacrylate adhesives  
Company : Kroxx Inc.  
Address : 526-6 Deoungchondong, Kangsogu, Seoul, Korea

Telephone : 82-2-2652-1311  
Fax : 82-2-2652-2117

### 2 – Composition/Information on Ingredients \*

Component	CAS No	% by Weigh(approximate)
4-Hydroxybutyric acid	96-48-0	>75
Dimethylketone	67-64-1	>15
Stearic Acid	57-11-4	<4
Melaleuca alternifolia oil	68647-73-4	<5

### 3 – HAZARDS IDENTIFICATION \*

#### EMERGENCY OVERVIEW

-Appearance : colorless liquid

-Potential Health Effects :

. Eye: May cause eye irritation.

. Skin: May cause skin irritation.

. Ingestion: May cause digestive tract disturbances. The toxicological properties of this substance have not been fully investigated. May be harmful if swallowed

. Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

. Chronic: No information found.

### 4 – FIRST AID MEASURES \*

-Eyes:



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Flush eyes with plenty of water.

-Skin:

Flush skin with plenty of soap and water

-Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid immediately.

-Inhalation:

Get medical aid immediately. Remove from exposure to fresh air immediately.

If Not breathing, give artificial respiration. If breathing is difficult, give oxygen.

-Notes to Physical:

Treat symptomatically and supportively.

-Antidote:

None reported.

### 5 – FIRE FIGHTING MEASURES \*

-General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, Irritating and highly toxic gases may be generated by thermal decomposition or combustion.

-Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

-Flash Point:

85 deg C (208.40 deg F)

### 6 – ACCIDENTAL RELEASE MEASURES \*

-General Information:

Use proper personal protective equipment as indicated in Section 8.

-Spills/Leaks :

Absorb spill with inert material (e.g. vermiculite, sand or earth), Then place in suitable container.

Clean up spills immediately, observing precaution in the Protective Equipment section.

Provide ventilation.



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### 7 – HANDLING AND STORAGE \*

-Handling :

Keep away from heat, sparks and flame.

Wash thoroughly after handling. Remove contaminated clothing and wash Before reuse.

Use with adequate ventilation.

-Storage:

Keep container closed when not in use.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Keep containers tightly closed.

### 8 – PHYSICAL AND CHEMICAL PROPERTIES\*

Physical state	Liquid
Color	Colorless
Odor	Faint simulative
pH	Not available
Viscosity	Not available
Boiling Point	90 deg C
Solubility in water	Miscible.
Specific Gravity/Density	1.02g/cm3

### 9 – STABILITY AND REACTIVITY \*

-Chemical Stability:

Stable under normal temperatures and pressures.

-Conditions to Avoid:

Incompatible materials, strong oxidants.

-Incompatibilities with Other Materials:

Strong oxidizing agents strong acids strong bases strong reducing agents.

-Hazardous Decomposition Products:

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

-Hazardous polymerization :

Has not been reported.



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### 10 – TOXICOLOGICAL INFORMATION \*

-LD50/LC50 :

Dermal, guinea pig : LD50 = > 5mg/kg ; Draize test,

Rabbit, skin : 500 uL severe; Inhalation, rat; LC50 = > 5100 mg/m<sup>3</sup> /4H;

Oral, mouse; LD50 = 1460 mg/kg; Oral, rat; LD50 = 1540 mg/kg.

-Carcinogenicity :

. Butyrolactone - IARC : Group 3 carcinogen

-Epidemiology :

No information available.

-Teratogenicity :

No information available.

-Reproductive Effects:

No information available.

-Neurotoxicity :

No information available.

-Mutagenicity :

No information available.

-Other Studies :

None reported.

### 11 – PROTECTIVE EQUIPMENT

Ventilation: Local exhaust ventilation recommended maintaining vapor level below TLV.

Respiratory Protection: Not applicable with good local exhaust.

Skin: Polyethylene or non reactive gloves.

Eye Protection: Safety glasses or goggles with side shields.

### 12 – ECOLOGICAL INFORMATION

No Data

### 13 – DISPOSAL CONSIDERATIONS

Disposal procedures: Incinerate or dispose of in an approved landfill in accordance with local and



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EPA regulations.

### 14 – TRANSPORTATION INFORMATION

#### ADR / RID

**Labelling:** Non-hazardous

#### IMDG / IMO

**Labelling:** Non-hazardous

#### IATA / ICAO

**Labelling:** Non-hazardous

### 15 – REGULATORY INFORMATION

**Safety phrases:** S2: Keep out of the reach of children.

S25: Avoid contact with eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S46: If swallowed, seek medical advice immediately and show this container or label.

**Note:** This product should not be used for debonding eyelids or lips or for bonded skin anywhere in the vicinity of the eyes or mouth. The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16 – OTHER INFORMATION

Hazard NFPA Hazard Code® HMIS Hazard Code®

Fire 3 3

Reactivity 2 2

Specific Hazard Not Applicable

NFPA is a registered trademark of the National Fire Protection Association

HMIS is a registered trademark of the National Paint and Coatings Association

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