

# CeramClean II™ Aluminum Safe Ink Cleaner for Water Based, UV, Coatings & Adhesives

MATERIAL SAFETY DATA SHEET  
HARPERSCIENTIFIC  
DIVISION

## 1. Identification of substance:

Product details:

Trade name: CeramClean II™ Ink Cleaner

Product Code: 332506

Manufacturer/Supplier:  
Harper Corporation of America  
11625 Steele Creek Road  
Charlotte, NC 28273

MSDS Created: Regulatory Affairs Department  
Regulatory Affairs Department:(704)588-3371  
Information in case of emergency:  
Emergency telephone no. Call Harper 24 hours a day / seven days a week at 1-800-438-3111.

## 2. Composition/Data on components:

Chemical characterization

Description:

Mixture of the substances listed below with nonhazardous additions.

Hazardous components:

2-aminoethanol  
Xn; R 20-36/37/38

2-butoxyethanol  
Xn; R 20/22-36/38

(2-methoxymethylethoxy)propanol  
Xi; R 36/37/38

## 3. Hazards identification

Hazard description: Xi Irritant

Information pertaining to particular dangers for man and environment  
R 36/38 Irritating to eyes and skin.

Classification system

The classification was made in accordance with the latest editions of national, international and EU-lists, and expanded upon from company and/or published literature and data.



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NFPA ratings (scale 0-4)

Health = 1

Fire = 1

Reactivity = 0

HMIS

Health \*1

Flammability 1

Reactivity 0

Personal Protection C

#### 4. First aid measures

##### After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

##### After skin contact

Immediately wash with water and soap and rinse thoroughly.

##### After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing If symptoms persist consult doctor.

#### 5. Fire fighting measures

##### Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents** None Known

##### Special hazards caused by the material, its products of combustion or resulting gases:

Carbon monoxide (CO)

In certain fire conditions, traces of other toxic gases cannot be excluded.

##### Protective equipment:

Wear self-contained respiratory protective device.

##### Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

#### 6. Accidental release measures

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Measures for environmental protection: Dilute with plenty of water.

Measures for cleaning/collecting:

Pick up mechanically.

Absorb liquid components with liquid-binding material.

Dispose of the collected material according to regulations.



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## 7. Handling and storage

### Handling

#### Information for safe handling:

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

#### Information about protection against explosions and fires:

Protect from heat.

### Storage

#### Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

#### Information about storage in one common storage facility: Not required.

#### Further information about storage conditions:

Protect from frost.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

## 8. Exposure controls and personal protection

Additional information about design of technical systems:

No further data; see item 7.

Components with limit values that require monitoring at the workplace:

2-aminoethanol

ACGIH TLV: Short-term value: 6 ppm

Long-term value: 3 ppm

NIOSH REL: Short-term value: 15 mg/m<sup>3</sup>, 6 ppm

Long-term value: 8 mg/m<sup>3</sup>, 3 ppm

OSHA PEL: 6 mg/m<sup>3</sup>, 3 ppm

2-butoxyethanol

ACGIH TLV: 20 ppm

Skin

NIOSH REL: 24 mg/m<sup>3</sup>, 5 ppm

Skin

OSHA PEL: 240 mg/m<sup>3</sup>, 50 ppm

Skin

(2-methoxymethylethoxy)propanol

ACGIH TLV: Short-term value: 150 ppm

Long-term value: 100 ppm

Skin

NIOSH REL: Short-term value: 900 mg/m<sup>3</sup>, 150 ppm

Long-term value: 600 mg/m<sup>3</sup>, 100 ppm

OSHA PEL: 600 mg/m<sup>3</sup>, 100 ppm

Skin



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**Additional information:**

The lists that were valid during the creation were used as basis.

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing equipment: Not required.

Protection of hands: Protective gloves.

Eye protection: Safety glasses

Body protection: Protective work clothing.

**9 Physical and chemical properties:**

**Form:** Viscous Liquid

**Color:** Whitish

**Odor:** Mild

**Value/Range Unit Method**

**Melting point/Melting range:**

Not determined

**Boiling point/Boiling range:** Not determined

**Flash point:** >94 ° C

**Ignition temperature:** 240.0 ° C

**Decomposition temperature:** Not determined

Auto igniting: Product is not selfigniting.

**Danger of explosion:**

Product does not present an explosion hazard.

**Explosion limits:**

**Lower:** Not determined

**Upper:** Not determined

**Vapor pressure:** at 20 ° C 23.0 hPa

**Density:** at 20 ° C 1.10 - 1.15 g/cm<sup>3</sup>

**Solubility in / Miscibility with**

**Water:** Dispersible

**pH-value:** at 20 ° C 10.7

**Viscosity:** Not determined

**dynamic:** Not determined

**kinematic:** Not determined

**Solvent separation test** Not determined

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## 10. Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Materials to be avoided: No data available

Dangerous reactions No dangerous reactions known

Dangerous products of decomposition: Carbon monoxide and carbon dioxide

## 11. Toxicological information

### Acute toxicity:

LD/Lc50 values that are relevant for classification:

No data available

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Subacute to chronic toxicity: No data available

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## 12. Ecological information:

General notes:

Not known to be hazardous to water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13. Disposal considerations

### Product:

#### Recommendation

Consult 40 CFR, Parts 261 and 268, state and local regulations for guidance on disposal of this product.

### Uncleaned packagings:

#### Recommendation:

Disposal must be made according to official regulations.

## 14. Transport information

DOT regulations:

Hazard class: -

Remarks: Non regulated

Land transport ADR/RID (cross-border)

ADR/RID class: -

Remarks: Non regulated

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Remarks: Non regulated



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## 15. Regulations SARA

### Section 313 Subject to Toxic Release Inventory reporting:

2-butoxyethanol

TSCA Inventory (Toxic Substance Control Act)

All ingredients included on TSCA Inventory

### Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

**Code letter and hazard designation of product:** Xi Irritant

**Risk phrases:** 36/38 Irritating to eyes and skin.

### Safety phrases:

7/9 Keep container tightly closed and in a well-ventilated place.

18 Handle and open container with care.

35 This material and its container must be disposed of in a safe way.

45 In case of accident or if you feel unwell, seek medical advice immediately.

Not known to be hazardous to water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 16. Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing MSDS:** Regulatory Affairs

**Contact:** Regulatory Affairs



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