

# SAFETY DATA SHEET

## Cn2 ECN "COLOR NEGATIVE" DEVELOPER POWDER

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor: Cinestill Inc.

100 Latona Road, Rochester, NY 14652

Product Name: **Cn2 COLOR NEGATIVE**

Product Number: **Cn2, 101191**

**Product Use:** Powder Color Negative Film Developer

**Customer Information Phone Number:**

1-877-247-3456

**CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300**

Date Reviewed: 09/10/2020

Version: 1.0

### 2. HAZARDOUS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Health hazard

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Harmful if inhaled (Category 3), H332

#### 2.2 GHS Label elements, including precautionary statements

##### Pictogram



**Signal Word: WARNING**

##### Hazard statement(s)

H302	Harmful if swallowed
H315	Causes skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H410	Very toxic to aquatic life with long lasting effects

##### Precautionary statement(s)

P261	Avoid breathing mist, dust, spray
P262	Do not get in eyes, on skin, or on clothing
P264	Wash skin thoroughly after handling

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- P270 Do not eat, drink, or smoke when using this product.  
P273 Avoid release into the environment  
P280 Wear protective gloves, eye protection  
P301 + P312 IF SWALLOWED; call a POISON CENTER or doctor/physician if you feel unwell  
P330 Rinse mouth  
P302 + P352 IF ON SKIN: Wash with plenty of soap  
P304 + P340 IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse  
P391 Collect spillage  
P501 Dispose of contents to an approved waste disposal plant.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical Name</b>	<b>CAS</b>	<b>OHSA PEL</b>	<b>ACGIH TLV</b>	<b>Weight %</b>
Sodium Carbonate	497-19-8	N.E.	N.E.	60-70
3, Nitrobenzene Sulfonic Acid	127-68-4	N.E.	N.E.	5-10
CD3	24567-76-8	1.0 mg/m <sup>3</sup> *	N.E.	5-10
DTPA	67-43-6	N.E.	N.E.	1-5
Sodium Sulfite	7757-83-7	N.E.	N.E.	1-3
Sodium Bicarbonate	144-55-8	N.E.	N.E.	1-3

\*EK HPG TWA

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**Inhalation:** If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion:** Do not induce vomiting. Only induce vomiting at the instruction of medical personnel. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Skin Contact:** Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation develops.

**Aggravated Medical Conditions:** Individuals who are under the care of a physician or have chronic ailments should consult a physician before using this product.

### 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

Noncombustible. Use agent appropriate for surrounding fire.

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## 5.2 Special Hazards arising from substance or mixture

Fire or excessive heat may cause production of hazardous decomposition products.  
Combustion Products: Carbon dioxide, carbon monoxide, and sulfur.

## 5.3 Advise for firefighters

Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to prevent contact with skin and eyes. Fire or excessive heat may produce hazardous decomposition products. Use water to keep containers cool.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. Stop the spillage. Dike the spill. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill.

### 6.2 Environmental precautions

Prevent liquid from entering sewers, waterways or low areas. Discharge to sewer requires approval of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

### 7.2 Conditions for safe storage, including any incompatibles

Do not store with incompatible materials. Do not store with strong acids. All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. Dispose of in a licensed facility.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

See Section 3.

### 8.2 Exposure controls

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

#### Personal protective equipment

**Eye Protection:** Safety glasses with side shields (or goggles).

**Respiratory Protection:** When this product is used in the intended way, no respiratory protection is anticipated to be necessary. However, if use conditions generate dust; use a

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NIOSH approved respirator with HEPA cartridges.

**Skin protection:** Latex, rubber, or neoprene waterproof gloves are recommended.

**Body protection:** Rubber or plastic apron.

**Respiratory protection:** Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance And Odor: white powder with no odor.

Solubility In Water: Complete

Boiling Point: Not applicable

Vapor Pressure: Not applicable

Specific Gravity: Not applicable

Melting Point: N.E.

Freezing Point: N.E.

Evaporation Rate: Not applicable

Vapor Density: Not applicable

Percent Volatile: 0

Ph: Not applicable

Molecular Weight: N.E.

Pounds Per Gallon: N.E.

V.O.C. = 0

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable

### 10.2 Chemical stability

Conditions To Avoid: None

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Exposure to air or moisture over a long period.

### 10.5 Incompatible Materials

Strong acids, powdered aluminum

### 10.6 Decomposition Products

May produce oxides of sodium, sulfur, hydroxide, and carbon

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information of toxicological effects

#### Component information

#### ***Sodium Carbonate 497-19-8***

**Acute toxicity:**

LD50 Oral – rat – 2800 mg/kg

**Skin irritation:** LD50 Dermal – rabbit > 2000 mg/kg

**Eye irritation:**

No data available

**Respiratory or Skin Sensitization**

LD50 Inhalation – guinea pig – 800 mg.m<sup>3</sup>

**Carcinogenicity/mutagenicity:** none

#### ***3-Nitrobenzene sulfonic Acid 127-68-4***

**Acute toxicity:**

LD50 Oral – rat – > 11g/kg

Dermal:

500 mg/24H MLD (rabbit)

Inhalation:

No data available

**Skin irritation:**

Skin – rabbit

Result: No skin irritation

**Eye irritation:**

Eyes – rabbit

Result: 20 mg/24H MOD

**Respiratory or Skin Sensitization**

No data available

**Carcinogenicity**

No data available

**Germ cell mutagenicity**

No data available

#### ***CD-3 24567-76-8***

**Acute toxicity:**

LD50 Oral – male rat – 400 mg/kg (target organ effects: kidney)

Dermal:

LD50: > 1,000 mg/kg (highest dose tested)

Inhalation:

No data available

**Skin irritation:**

Moderate (repeated skin application)

**Eye irritation:**

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Moderate

### **Respiratory or Skin Sensitization**

Positive (human)

### **Carcinogenicity**

No component of this product is identified as a carcinogen by ACGIH, IARC, NTP, or OSHA. available

### **Germ cell mutagenicity**

No data available

### ***Sodium Sulfite 7757-83-7***

#### **Acute toxicity:**

Oral LD-50 (rat)

3,560 mg/kg

Inhalation LD-50 (rat)

>5,500 mg/m<sup>3</sup> - 4 h

Dermal: no data

#### **Skin irritation:**

Skin – rabbit

Result: No skin irritation

#### **Eye irritation:**

Skin – rabbit

Result: No skin irritation

### **Respiratory or Skin Sensitization**

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

**Carcinogenicity/mutagenicity:** none

### ***Sodium Bicarbonate 144-55-8***

#### **Acute toxicity:**

LD50 Oral – rat – 4,220 mg/kg

Dermal:

No data available

Inhalation:

No data available

#### **Skin irritation:**

Skin-human

Result: Mild skin irritation – 3d

#### **Eye irritation:**

Eyes – rabbit

Result: Mild eye irritation – 30 s

### **Respiratory or Skin Sensitization**

No data available

### **Carcinogenicity**

No component of this product is identified as a carcinogen by ACGIH, IARC, NTP, or OSHA. available

### **Germ cell mutagenicity**

No data available

### ***Diethylenetriaminepentaacetic acid 67-43-6***

#### **Acute toxicity:**

LD50 Oral – rat – > 2,000 mg/kg

Dermal:

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No data available  
Inhalation:  
No data available

## **Skin irritation:**

Skin – rabbit  
Result: No skin irritation

## **Eye irritation:**

Eyes – rabbit  
Result: Eye irritation

## **Respiratory or Skin Sensitization**

Buehler Test – guinea pig  
Dis not cause sensitization on laboratory animals

## **Carcinogenicity**

None

## **Germ cell mutagenicity**

No data available

## **12. ECOLOGICAL INFORMATION**

### Component information

#### ***Sodium Carbonate 497-19-8***

### **12.1 Toxicity**

LC50 /96 hours: 300 mg/l (bluegill, sunfish)  
EC50/48 hours: 200-227 mg/L (Ceriodaphnia)

### **12.2 Persistence and degradability**

This product is completely biodegradable.

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

### **12.5 Result of PBT and vPvB assessment**

Assessment not available as chemical assessment not required/not conducted

#### ***3-Nitrobenzene sulfonic Acid 127-68-4***

### **12.1 Toxicity**

Toxicity to fish LC50 48h: > 1000 mg/L (Orzias latipes)

### **12.2 Persistence and degradability**

Biodegradability 0% (by BOD), 5% (by TOC), 1% (by UV-VIS)

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## 12.3 Bioaccumulative potential

0.5 – 1.6 (conc. 1 mg/L), <5 (conc. 0.1 mg/L)

## 12.4 Mobility in soil

Log Pow: -2.61

## 12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

## 12.6 Other adverse effects

No data available

## *Sodium Sulfit* 7757-83-7

### 12.1 Toxicity

Toxicity to fish LC50- *Gambusia affinis* (Mosquito fish) -660 mg/l – 96h

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

### 12.6 Other adverse effects

None

## *Diethylenetriaminepentaacetic acid* 67-43-6

### 12.1 Toxicity

Toxicity to fish LC50- *Leuciscus idus* (golden orfe) ->100 mg/l – 96h

Toxicity to daphnia EC50 – *Daphnia magna* (Water flea) – 245 mg/l -48h

### 12.2 Persistence and degradability

Biodegradability Biotic/Aerobic – Exposure time 28d  
Result: 20-60% - According to the results of test of biodegradability this product is not readily biodegradable. (CO@ Evolution Test)

### 12.3 Bioaccumulative potential

Indicative of bioaccumulation



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## 12.4 Mobility in soil

No data available

## 12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

## 12.6 Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

## 14. TRANSPORT INFORMATION

### DOT (US)

Not regulated

## 15. REGULATORY INFORMATION

### SARA 302 Components

The following components are subject to reporting: None

### SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313: None

### SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

### California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

### TSCA

All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

### SCAQMD Rule 443.1

Photochemically Reactive: No

Maximum Grams of VOC per Liter: 0 gm/L g/L

Vapor Pressure: N.E. mm Hg@ 20 Degrees C

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## 16. OTHER INFORMATION

### Full text of H-statements referred to under sections 2 and 3.

H302	Harmful if swallowed
H315	Causes skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H410	Very toxic to aquatic life with long lasting effects

### HMIS RATING

Health: 2  
Flammability: 0  
Reactivity: 0

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.