

**1. IDENTIFICATION****Product Identifier**

**Product Name** AC-2389  
AC-2389 LATEX CONTACT CEMENT - GREEN / COLLE CONTACT AU LATEX - VERT

**Other means of identification**

**Product Code(s)** 40-081-36  
**Alternate Product Code(s)** AC2389-189P, AC2389-378, AC2389-950, AC2389-PD  
**Product Type** Adhesive.

**Recommended use of the chemical and restrictions on use**

**Recommended Use** For industrial use only.  
**Uses advised against** No information available

**Details of the supplier of the safety data sheet****Supplier Address**

Dural  
550 Marshall Ave.  
Dorval, QC  
Canada  
H9P 1C9

**Company Phone Number**

800-361-2340

**Emergency telephone number**

**Emergency Telephone Number** CANUTEC 613-996-6666

**2. HAZARDS IDENTIFICATION****Classification****OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**WHMIS Statement**

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015).

Skin sensitization	Category 1A
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**Label elements****Emergency Overview**

**Signal Word** Warning

**Hazard Statements**

May cause an allergic skin reaction.



**Appearance** Green

**Physical State** Liquid

**Odor** Mild

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

**Precautionary Statements - Response**

Specific treatment (see Section 4 on this SDS).

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

IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Precautionary Statements - Storage**

Keep from freezing.

**Precautionary Statements - Disposal**

Dispose of in accordance with federal, state and local regulations.

**Hazards not otherwise classified (HNOC)**

None under normal processing.

**Other Information**

Unknown acute toxicity

29 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

**Synonyms**

Contact adhesive.

Components	CAS No.	Weight-%	Trade Secret
Zinc oxide (ZnO)	1314-13-2	1 - 5	*
1,2-Propylene glycol	57-55-6	1 - 5	*
Triethanolamine	102-71-6	0.1 - 1.0	*
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone	55965-84-9	< 0.1%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first aid measures**

**Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact**

Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.

**Inhalation**

Remove to fresh air.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water. Not an expected route of exposure. Gastrointestinal discomfort. Consult a physician if necessary.

**Notes to Physician**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

### **Unsuitable Extinguishing Media**

Specific test data for the substance or mixture is not available.

### **Specific Hazards Arising from the Chemical**

Do not allow run-off from fire-fighting to enter drains or water courses. Dried product is capable of burning. Sealed containers may rupture when heated.

### **Explosion Data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. ACCIDENTAL RELEASE MEASURES**

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

#### **Personal Precautions**

Use personal protection equipment. Ensure adequate ventilation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

### **Environmental precautions**

#### **Environmental precautions**

See Section 12 for additional Ecological Information.

### **Methods and material for containment and cleaning up**

#### **Methods for Cleaning Up**

Pick up and transfer to properly labeled containers. Prevent environmental discharge consistent with regulatory requirements. Disposal should be in accordance with applicable regional, national and local laws and regulations.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

#### **Handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing.

### **Conditions for safe storage, including any incompatibilities**

#### **Storage**

Keep from freezing. Keep containers tightly closed in a cool, well-ventilated place.

#### **Incompatible Products**

WATER REACTIVE MATERIALS. Oxidizing agents. Acids.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters**

#### **Exposure Guidelines**

<b>Components</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>	<b>AIHA - WEEL</b>
Zinc oxide (ZnO) 1314-13-2	TWA: 2 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 10 mg/m <sup>3</sup> (vacated) STEL: 10 mg/m <sup>3</sup>	IDLH: 500 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	-
1,2-Propylene glycol 57-55-6	TWA: 10 mg/m <sup>3</sup>	-	-	10 mg/m <sup>3</sup> TWA
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup>	-	-	-

#### **Appropriate engineering controls**

**Engineering Measures**  
 Showers  
 Eyewash stations  
 Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Avoid contact with eyes. Eye protection.

**Skin and Body Protection** Wear protective gloves/protective clothing.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Green	<b>Odor Threshold</b>	No data available
<b>Color</b>	Green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	10	9.0 - 11.0
<b>Melting point / freezing point</b>	No information available	
<b>Boiling Point / Boiling Range</b>	Specific test data for the substance or mixture is not available	
<b>Flash Point</b>	Specific test data for the substance or mixture is not available	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper Explosive Limits</b>	Specific test data for the substance or mixture is not available	
<b>Lower Explosive Limits</b>	Specific test data for the substance or mixture is not available	
<b>Vapor pressure</b>	Negligible	
<b>Vapor Density</b>	Specific test data for the substance or mixture is not available	
<b>Specific Gravity</b>	1.04	
<b>Water Solubility</b>	Miscible with water	
<b>Solubility in other solvents</b>	Specific test data for the substance or mixture is not available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition Temperature</b>	No information available	
<b>Decomposition Temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	600 - 700 cps	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other Information**

**Softening Point** Specific test data for the substance or mixture is not available

**Solids** 49.0 - 51.0 %

**10. STABILITY AND REACTIVITY**

**Reactivity**

None under normal processing

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Do not freeze.

**Incompatible Materials**

WATER REACTIVE MATERIALS. Oxidizing agents. Acids.

**Hazardous Decomposition Products**Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen chloride. Nitrogen oxides (NO<sub>x</sub>). Phosphorous oxides.**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Ingestion</b>	Not an expected route of exposure. May be harmful if swallowed.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Zinc oxide (ZnO) 1314-13-2	> 5000 mg/kg ( Rat )	-	-
1,2-Propylene glycol 57-55-6	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
Triethanolamine 102-71-6	= 4190 mg/kg ( Rat )	> 16 mL/kg ( Rat ) > 20000 mg/kg ( Rabbit )	-
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	= 53 mg/kg ( Rat ) = 481 mg/kg ( Rat ) 232 - 249 mg/kg ( Rat ) = 120 mg/kg ( Rat )	= 200 mg/kg ( Rabbit )	= 1.23 mg/L ( Rat ) 4 h = 0.11 mg/L ( Rat ) 4 h

**Information on toxicological effects****Symptoms** Specific test data for the substance or mixture is not available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** May cause sensitization in susceptible persons.  
**Mutagenic Effects** Specific test data for the substance or mixture is not available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen

Components	ACGIH	IARC	NTP	OSHA
Triethanolamine 102-71-6	-	Group 3	-	-

**Reproductive Toxicity** No information available  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 11,422.10  
ATEmix (dermal) 1,476,800.00

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Components	Algae/aquatic plants	Toxicity to Fish	Daphnia Magna (Water Flea)

Zinc oxide (ZnO) - 1314-13-2	N/A	1.55: 96 h Danio rerio mg/L LC50 static	N/A
1,2-Propylene glycol - 57-55-6	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50 51400: 96 h Pimephales promelas mg/L LC50 static	10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static
Triethanolamine - 102-71-6	216: 72 h Desmodesmus subspicatus mg/L EC50 169: 96 h Desmodesmus subspicatus mg/L EC50	450 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 1000: 96 h Pimephales promelas mg/L LC50 static 10600 - 13000: 96 h Pimephales promelas mg/L LC50 flow-through	1386: 24 h Daphnia magna mg/L EC50
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone - 55965-84-9	0.11 - 0.16: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.03 - 0.13: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.31: 120 h Anabaena flos-aquae mg/L EC50	1.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	0.71 - 0.99: 48 h Daphnia magna mg/L EC50 Static 0.12 - 0.3: 48 h Daphnia magna mg/L EC50 Flow through 4.71: 48 h Daphnia magna mg/L EC50

#### **Persistence and Degradability**

No information available.

#### **Bioaccumulation/Accumulation**

No information available.

<b>Components</b>	<b>log Pow</b>
Triethanolamine 102-71-6	-2.53
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone 55965-84-9	-0.71 - 0.75

#### **Other adverse effects**

No information available

### **13. DISPOSAL CONSIDERATIONS**

#### **Waste treatment methods**

##### **Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

##### **Contaminated Packaging**

Do not reuse empty containers.

### **14. TRANSPORT INFORMATION**

##### **DOT**

Not regulated.

##### **IATA**

Not regulated.

##### **IMDG/IMO**

Not regulated.

### **15. REGULATORY INFORMATION**

##### **TSCA 8(b) DSL**

All components are listed or exempt  
At least one component is not listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

## US Federal Regulations

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Components	Weight-%	SARA 313 - Threshold Values %
Resin acids and Rosin acids, sodium salts - 61790-51-0	1 - 5	1.0
Zinc oxide (ZnO) - 1314-13-2	1 - 5	1.0

### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

### U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Components	Weight-%	HAPS data
Ethylene glycol 107-21-1	< 0.1%	Present
Diethanolamine 111-42-2	< 0.1%	Present
2-Chloro-1,3-butadiene 126-99-8	< 0.1%	Present
Formaldehyde 50-00-0	< 0.1%	Present
1,4-Dioxane 123-91-1	< 0.1%	Present
Methyl alcohol 67-56-1	< 0.1%	Present
Ethylene oxide 75-21-8	< 0.1%	Present
Acetaldehyde 75-07-0	< 0.1%	Present

### CWA (Clean Water Act)

See information supplied by the manufacturer

### CERCLA

See information supplied by the manufacturer

## US State Regulations

### California Proposition 65

Based on information from material suppliers and process knowledge, this product is not known to contain any Proposition 65 listed substances at or above 0.1 weight percent. Please contact the Regulatory Department if additional information is required.

### U.S. EPA Label Information

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health Hazard 2	Flammability 0	Instability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health Hazard 2	Flammability 0	Physical hazards 0	Personal Precautions X

**Revision Date** 13-Feb-2020

### **Revision Note**

No information available

### Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its

publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**