



Printing date 06/14/2017 1 Identification

· Product identifier

Reviewed on 06/14/2017

	· Product identifier
	 Trade name: CA5013 Application of the substance / the mixture Cyanoacrylate Adhesive
	Details of the supplier of the safety data sheet Manufacturer/Supplier: ResinLab, LLC N109 W13300 Ellsworth Drive Germantown, WI 53022 1.877-259-1669 www.resinlab.com Information Department: Product Safety Department: msds@resinlab.com Emergency Telephone Number: North America - Chemtrec: 1-800-424-9300 (24 hours) International - Chemtrec: 01-703-527-3887 (24 hours)
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*	2 Hazard(s) identification
	· Classification of the substance or mixture Flam. Liq. 4 H227 Combustible liquid. Eye Dam. 2B H320 Causes eye irritation.
	 Label elements GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). Hazard pictograms Not classified Signal word Warning Hazard statements H227 Combustible liquid. H320 Causes eye irritation. Precautionary statements Keep away from flames and hot surfaces. – No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor if you feel unwell. If sin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. In case of fire: Use for extinction: CO2, powder or water spray. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international regulations. Classification system: NFPA ratings (scale 0 - 4)
	$\frac{2}{1}$ Health = 1 Fire = 2 Reactivity = 1
	NFPA special hazards (water reactivity and oxidizing property): None • HMIS System
	HMIS-ratings (scale 0 - 4) HEALTH 1 FIRE 2 REACTIVITY 1 Health = 1 Fire = 2 Reactivity = 1
	· Other hazards

Other hazards
 Results of PBT and vPvB assessment
 PBT: Not applicable.
 vPvB: Not applicable.

3 Composition/informat	Mixtures		
 Dangerous components 			
CAS: 27816-23-5	Beta-Methoxyethyl Cyanoacrylate	Flam. Lig. 4, H227; Eye Dam. 2B, H320	90-100%
CAS: 123-31-9 EINECS: 204-617-8 Index number: 604-005-00-4 RTECS: MX 3500000	1,4-dihydroxybenzene	Muta, 2, H341; Carc. 2, H351 Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302; Skin Sens. 1, H317	0.025-<0.1%
 Additional information: If the chemical name/CA 	S number is proprietary and or weight perce	ntage is listed as a range, the specific chemical	identitv and (

percentage of composition has been withheld as a trade secret. US



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4 First-aid measures

Description of first aid measures

General information: Keep warm, position comfortably and cover well.

- After inhalation: Remove victim from exposure to fresh air. Keep person at rest. Provide oxygen if person is not breathing. Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Do not pull bonded skin apart. Soak in warm soapy water. Gently peel apart using a blunt instrument. If skin is burned due to the rapid generation of heat by a large drop, seek medical attention. If lips are bonded, apply warm water to the lips and encourage wetting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips apart with direct opposing force. If skin is occurs, get medical advice/attention.

After eye contact: Immediately flush with plenty of water for at least 15 minutes. Get medical attention. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad. Do not force eye open. Cyanoacrylate will bond to eye protein and will cause a lachrymatory effect which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped behind the eyelid caused abrasive damage. After swallowing:

Ensure breathing passages are not obstructed. The product will polymerize rapidly and bond to the mouth making it almost impossible to swallow. Saliva will separate any solidified product in several hours. Prevent the patient from swallowing any separated mass. Information for doctor:

- Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed Check section 11 Toxicological Information for further relevant information.

5 Fire-fighting measures

Extinguishing media
 Suitable extinguishing agents:
 Use fire fighting measures that suit the environment.
 Alcohol resistant foam
 Fire-extinguishing powder
 Carbon dioxide
 Sort stefty reasons unsuitable extinguishing agent

For safety reasons unsuitable extinguishing agents: No relevant information. Special hazards arising from the substance or mixture Caution! Combustible liquid.

In case of fire, the following can be released: Nitrogen oxides (NOx) Carbon dioxide (CO₂) and Carbon monoxide (CO) Advice for firefighters

Protective equipment: If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA fire brigades standard (29 CFR 1910.156).

As with any fire, wear positive-pressure self-contained breathing apparatus and full protective gear that are NIOSH approved.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Caution! Combustible liquid; wear fire/flame resistant or retardant clothing during cleaning up. Wear protective clothing. Do not breathe gas, vapors, dusts or mists if their inhalable particles occur during use. Environmental precautions: Prevent seepage into sewage system, workpits and cellars. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Non sparking tools should be used. Dispose contaminated material as waste according to item 13.

7 Handling and storage

Handling:

Precautions for safe handling Open and handle receptacle with care. Open and nandle receptacle with Care. Keep away from incompatible material(s). Avoid any release into the environment. For industrial or professional use only Do not breathe dust/fumes/mist/vapor/spray. Avoid contact with eyes, skin and clothing. Keep away from heat,sparks, flames and ignition sources. Observe all the personal protection requirements in Section 8.

Conditions for safe storage, including any incompatibilities

Storage: Requirements to be met by storerooms and receptacles:

Store only in the original receptacle. Provide ventilation for receptacles.

Keep stored in accordance with local, regional, national, and international regulations.

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US





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· Vapor pressure:

Not determined.

(Contd. of page 2)

8 Exposure controls/personal protection • Components with init values that require monitoring at the workplace: • The following constituent is the only constituent of the product which has a PEL, TL V or other recommended exposure limit. 123-31-91-41/br/coxybenzene PEL Long-term value: 2 mg/m ² REL Celling init value: 2 mg/m ² REL Celling init value: 2 mg/m ² • Additional Occupational Exposure Limit Values for possible hazards during processing: None. • Protection of the submitting organizes and the only of the product velocity of the product v	Control parameters The following constituent is the only constituent of the product which has a FEL, TLV or other recommended exposure limit. At this lime, has remaining constituent as nown exposure limits. The following constituent is the only constituent of the product which has a FEL, TLV or other recommended exposure limit. At this lime, has remaining constituent as nown exposure limits. Testing Testin	()	Contd. of page
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9 Physical and chemical properties • Information on basic physical and chemical properties • General Information • Appearance: • Form: Liquid • Color: Clear • Odor: Odorless • Odor threshold: Not determined. • pH-value: Not determined. • PH-value: Not determined. • PH-value: Not determined. • Soling point/Beling range: Undetermined. • Boiling point/Beling range: V1determined. • Boiling point/Beling range: V1determined. • Boiling point/Boiling range: V1determined. • Boiling point/Boiling range: Not determined. • Boiling point: 80-93 °C (176-199 °F) • Flash point: 80-93 °C (176-199 °F) • Flash point: Not determined. • Ignition temperature: Not determined. • Decomposition temperature: Not determined. • Decomposition temperature: Not determined. • Auto igniting: Product is not selfigniting.	9 Physical and chemical properties • Information on basic physical and chemical properties • General Information • Appearance: • Form: Liquid • Color: Clear • Odor threshold: Not determined. • pH-value: Not determined. • Boiling point/Boiling range: Undetermined. • Boiling point/Boiling range: V176° F) • Flash point: 80-93 °C (176-199 °F) • Flammability (solid, gaseous): Not applicable. Ignition temperature: • Decomposition temperature: Not determined. • Decomposition temperature: Not determined. • Auto igniting: Product is not selfigniting. • Danger of explosion: Not determined. • Explosion limits: • Not determined. • Lower: Not determined.	The Engineering measures or controls, and PPE recommendations are only guidelines and may not apply to every situation	on. For additior
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	Danger of explosion: Not determined. Explosion limits: Not determined. Lower: Not determined.	· Decomposition temperature: Not determined.	
	Explosion limits: Lower: Not determined.	Auto igniting: Product is not selfigniting.	
· Danger of explosion: Not determined.	Lower: Not determined.	Danger of explosion: Not determined.	
	Vapor pressure: Not determined		





Printing date 06/14/2017 Trade name: CA5013

Reviewed on 06/14/2017

		(Contd. of page 3)
 Vapor Density: 	not determined	
Density at 20 °C (68 °F): Vapor density Evaporation rate	1.14 g/cm³ (9.513 lbs/gal) Not applicable. Not determined.	
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.	
Viscosity: Dynamic: Kinematic:	Not available. Not available.	

10 Stability and reactivity

· Reactivity Combustible liquid.

- Hazardous Reactivity and Chemical Stability Stable under normal conditions of use, storage and temperatures. Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat. No decomposition if used and stored according to specifications.
 Possibility of hazardous reactions In contact with incompatible materials.
 Conditions to avoid Keep away from heat, sparks, flame and any other ignition sources.

- Incompatible materials: Oxidizing agents Strong reducing agents Bases (Alkalis) Amines
- Water

alkali metals

Hazardous decomposition products: Possible in traces.

11 Toxicological information

Information on toxicological effects

- Acute toxicity: LD/LC50 values that are relevant for classification: See acute inhalative effect(s) for further information

 - Specific symptoms in biological assay: No further relevant information available; classification is not possible. See acute inhalative effect(s) for further information.
 - Primary irritant effect:
- on the skin: No irritant effect.
 on the eye: Irritating effect.
 Sensitization: No sensitizing effects known.
 Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

Toxicitv

- Aquatic toxicity: No further relevant information available.
 Persistence and degradability No further relevant information available.
 Behavior in environmental systems:
 Bioaccumulative potential No data available.
 Mobility in soil No further relevant information available.
 Additional coefficient information: product is pop resid dogradable.
- · Additional ecological information: The product is non-rapid degradable, and low or not highly bioaccumulative. General notes: General notes: Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.
 Results of PBT and vPvB assessment
 PBT: None of the ingredients is listed.
 vPvB: None of the ingredients is listed.
 Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation: Must be specially treated adhering to official regulations.

Uncleaned packagings: • Recommendation: Dispose of according to your local waste regulations.

(Contd. on page 5)

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Reviewed on 06/14/2017

Printing date 06/14/2017

Trade name: CA5013

(Contd. of page 4)

	(Conto. of page
Transport information	
UN-Number	
· DOT, ADN, IMDG	not regulated
· IATA	UN3334
UN proper shipping name · DOT, ADN, IMDG	not regulated
	not regulated Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)
Transport hazard class(es)	
DOT, ADN, IMDG	
Class	not regulated
9	
Class	0 Missellanceus dengerous substances and articlas
· Class · Label	9 Miscellaneous dangerous substances and articles 9
Packing group	
· DOT, IMDG · IATA	not regulated
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and	
IBC Code	Not applicable.
Transport/Additional information:	
·IATA	Drimor, pools, containing loss than 500ml are unregulated
· Remarks:	Primary packs containing less than 500ml are unregulated this mode of transport and may be shipped unrestricted.
UN "Model Regulation":	not regulated
Regulatory information	
Regulatory information	
	ecific for the substance or mixture
Regulatory information Safety, health and environmental regulations/legislation spe SARA Section 355 (extremely hazardous substan 123-31-9 1,4-dihydroxybenzene	ecific for the substance or mixture nces):
Regulatory information Safety, health and environmental regulations/legislation spe SARA Section 355 (extremely hazardous substan 123-31-9 1,4-dihydroxybenzene SARA Section 313 (Specific toxic chemical listing	ecific for the substance or mixture nces):
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International Regulation Lists
 Chinese Chemical Inventory of Existing Chemical Substances:
 All ingredients are listed.

(Contd. on page 6)





US

Safety Data Sheet acc. to OSHA HCS

Printing date 06/14/2017 Trade name: CA5013

Reviewed on 06/14/2017

· GHS label elements GHS label elements	(Contd. of page
National regulations:	
· Japanese Existing and New Chemical Substance List:	
All ingredients are listed.	
· Korean Existing Chemical Inventory:	
123-31-9 1,4-dihydroxybenzene	
· European Pre-registered substances:	
All ingredients are listed.	
· REACh - Substances of Very High Concern (SVHC) List:	
None of the ingredients is listed.	
· Restriction of Hazardous Substances Directive (RoHS) list:	
None of the ingredients is listed.	
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.	

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 (M)SDS: Product Development Department
 Contact: msds@resinlab.com
 Date of preparation / last revision 06/14/2017 / 1
 * Data compared to the previous version altered.