



SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2010

Revision date: Mar/28/2018

Version: 2

Language: en-US

Date of print: Apr/24/2018

Contact VA 20

Material number 120000

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1. Product and company identification

Product identifier

Trade name: Contact VA 20

Relevant identified uses of the substance or mixture and uses advised against

General use: Adhesive.
Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Company name: WEICON Inc.
Street/POB-No.: 20 Steckle Place, Unit 20
Postal Code, city: Kitchener, Ontario N2E 2C3, CA
WWW: www.weicon.ca
E-mail: info@weicon.ca
Telephone: +1-519-896-5252
Telefax: +1-519-896-5254
Dept. responsible for information:
Product-Safety-Department
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

Emergency phone number

EMERGENCY CONTACT – USA (24h): Tel: +1 202 464 2554

Transport:

TRANSPORT EMERGENCY CONTACT - USA (24h): Tel: +1 202 464 2554

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid
Color: colorless
Odor: characteristic, stinging
Classification: Flammable Liquid - Category 4; Skin Irritation - Category 2; Eye Irritation - Category 2A; Specific Target Organ Toxicity (Single Exposure) - Category 3;

Hazard symbols:



Signal word:

Warning

Hazard statements:

Combustible liquid.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.



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Precautionary statements: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands and face 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 soap and water.
IF INHALED: Remove to fresh air and keep at rest in a position 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.
Specific treatment (see on this label).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulation.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

Contains Ethyl 2-cyanoacrylate. Cyanacrylate - Danger - skin and eyelids will stick together in seconds. Keep out of the reach of children.
Potentially explosive mixtures may form if adequate ventilation is not provided.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Special danger of slipping by leaking/spilling product.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Adhesive based on cyanoacrylic acid ester.

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 7085-85-0	Ethyl 2-cyanoacrylate	60 - 99.9 %	Flammable Liquid - Category 4. Skin Irritation - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.

4. First aid measures

General information: First aider: Pay attention to self-protection!
Cyanacrylate - Danger - skin and eyelids will stick together in seconds.
Take off immediately all contaminated clothing.

In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing.
If breathing has stopped, give artificial respiration immediately. Seek medical attention.



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Following skin contact: Do not peel solidified product off the skin. Immediately clean with water and soap or cleanse with acetone followed by thorough rinsing. If product comes into contact with lips, hold mouth open. Do not allow lips to contact one another. Immediately get medical attention.

After eye contact: Keep eye wide open. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Do not attempt to pull apart bonded eyelid. Subsequently seek the immediate attention of an ophthalmologist.

After swallowing: Do not induce vomiting. Keep airway open. Immediately get medical attention.

Most important symptoms/effects, acute and delayed

May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Higher doses may have a narcotic effect. Shortage of breath, respiratory complaints, cough.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

>85 °C

Auto-ignition temperature: not applicable

Suitable extinguishing media:

Water spray jet, dry chemical powder, alcohol resistant foam, carbon dioxide

Extinguishing media which must not be used for safety reasons:

Full water jet.

Specific hazards arising from the chemical

Combustible liquid. Air combined with vapors may form potentially explosive mixtures that are heavier than air. Vapor may travel great distances and cause fire and backflashes. May form dangerous gases and vapours in case of fire. Furthermore, there may develop: Cyanide, nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Heating will lead to pressure increase: Danger of bursting and explosion. Cool exposed containers with water spray.

Move undamaged containers from immediate hazard area if it can be done safely. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Do not allow fire water to penetrate into surface or ground water.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions: Cyanacrylate - Danger - skin and eyelids will stick together in seconds.

Avoid contact with skin, eyes, and clothing.

Provide adequate ventilation. Do not breathe vapor.

Wear appropriate protective equipment. Keep unprotected people away.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains. Danger of explosion! In case of release, notify competent authorities.



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Methods for clean-up: Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).
Beware of reignition. Thoroughly clean surrounding area.
In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Additional information: Use explosion-proof equipment and non-sparking tools/utensils.

7. Handling and storage

Handling

Advices on safe handling: Provide good ventilation and/or an exhaust system in the work area.
Handle and open container with care. Avoid contact with skin, eyes, and clothing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water and soap/shower.
Do not breathe gas/fume/vapour/spray. Wear appropriate protective equipment. Wash hands before breaks and after work.
Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Work place should be equipped with a shower and an eye rinsing apparatus.

Precautions against fire and explosion:
Take care of general rules for industrial preventive fire protection.
Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.
Use only explosion-protected equipment/instruments. Do not weld.
In partially filled containers explosive mixtures may form.

Storage

Requirements for storerooms and containers:
Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.
Store containers in upright position. Explosion protection required. Protect from moisture contamination.

Hints on joint storage: Do not store together with combustible or self-igniting materials or any highly flammable solids.
Do not store together with alkalis, oxidizing agents, amines or acids.
Keep away from food, drink and animal feedingstuffs.

Further details: Before opening the container let the product reach room temperature as otherwise the formation of dew might be resulting.
Do not return unused portions of product to original container.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7085-85-0	Ethyl 2-cyanoacrylate	USA: ACGIH: STEL	1 ppm
		USA: ACGIH: TWA	0.2 ppm

Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.
See also information in chapter 7, section storage.



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Personal protection equipment (PPE)

- Eye/face protection:** Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
- Skin protection:** Wear suitable protective clothing.
Recommendation: Flame retardant, antistatic and chemical resistant protective clothing.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Nitrile rubber
Layer thickness: ≥ 0.4 mm
Breakthrough time: > 60 min
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Respiratory protection:** Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. If necessary: Respiratory protection mask.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
- General hygiene considerations:**
Cyanacrylate - Danger - skin and eyelids will stick together in seconds. Keep out of the reach of children.
Do not breathe gas/fume/vapour/spray. Avoid contact with skin, eyes, and clothing.
When using do not eat or drink. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water and soap/shower. Wash contaminated clothing before reuse.
Wash hands before breaks and after work. Use only non-sparking tools. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
Work place should be equipped with a shower and an eye rinsing apparatus.

9. Physical and chemical properties

Information on basic physical and chemical properties

- Appearance:** Physical state at 68 °F and 101.3 kPa: liquid
Color: colorless
- Odor:** characteristic, stinging
- Odor threshold:** No data available
- pH value:** No data available
- Melting point/freezing point:** No data available
- Initial boiling point and boiling range:** 302 °F
- Flash point/flash point range:** > 85 °C
- Evaporation rate:** No data available
- Flammability:** Combustible liquid.
- Explosion limits:** LEL (Lower Explosion Limit): not applicable
UEL (Upper Explosive Limit): not applicable
- Vapor pressure:** 0.053 hPa
- Vapor density:** No data available
- Density:** 1.06 g/mL
- Solubility:** partially miscible (Acetone)
- Water solubility:** reacts with water
- Partition coefficient: n-octanol/water:** No data available
- Auto-ignition temperature:** not applicable
- Thermal decomposition:** No decomposition when used properly.
- Viscosity, kinematic:** 5 mPa*s



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Explosive properties: Vapors may form explosive mixtures with air.
Oxidizing characteristics: not oxidising

10. Stability and reactivity

Reactivity: Combustible liquid.
Vapors may form explosive mixtures with air.
Explosive reaction with water.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions
Heating will lead to pressure increase: Danger of bursting and explosion.
At heat, humidity: Polymerization along with heat production.
May polymerize under the influence of light.

Conditions to avoid: Protect from moisture contamination. Keep away from heat sources, sparks and open flames.
Protect against direct sunlight.

Incompatible materials: Alkalis, oxidizing agents, amines, water, acids, alkalis.

Hazardous decomposition products:
Cyanide, nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.
Toxic gases/vapours.

Thermal decomposition: No decomposition when used properly.

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE > 5000 mg/kg.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.
ATEmix (calculated): ATE > 2000 mg/kg.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.

Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Based on available data, the classification criteria are not met.
Information about Ethyl 2-cyanoacrylate: not sensitising.
Sensitization has been observed only in sensitive humans.

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) - Category 3 = May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.



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Other information: Information about Ethyl 2-cyanoacrylate:
Acute oral toxicity: LD50, Rat: > 5000 mg/kg (OECD 401)
Acute dermal toxicity: LD50, Rabbit, male: > 2000 mg/kg (OECD 402)

Symptoms

Cough, shortage of breath, respiratory complaints.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.

Additional ecological information

AOX reference: Ecotoxicological effects: The product has not been tested.
The statement is derived from products of similar structure or composition.

Volatile organic compounds (VOC):
0 % by weight

General information: Do not allow uncontrolled discharge of product into the environment.
Do not allow to penetrate into soil, waterbodies or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation. Do not allow to enter into ground-water, surface water or drains.

Contaminated packaging

Recommendation: Handle empty containers with care. Incineration may cause explosion.
Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself.
Non-contaminated packages may be recycled.



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14. Transport information

USA: Department of Transportation (DOT)

Identification number: NA1993
Proper shipping name: NA 1993, UN 11993, Combustible liquids, n.o.s. (Ethyl 2-cyanoacrylate)
Hazard class or Division: Comb liq
Packing Group: III
Labels: None
Symbols: D G
Special provisions: 148, IB3, T1, TP1
Packaging – Exceptions: 150
Packaging – Non-bulk: 203
Packaging – Bulk: 241
Quantity limitations – Passenger aircraft / rail: 60 L
Quantity limitations – Cargo only: 220 L
Vessel stowage – Location: A

Sea transport (IMDG)

Proper shipping name: Not restricted
Marine pollutant: no

Air transport (IATA)

UN/ID number: UN 3334
Proper shipping name: UN 3334, AVIATION REGULATED LIQUID, N.O.S. (Ethyl 2-cyanoacrylate)
Class or division, Subsidiary risk: Class 9
Packing Group: III
Hazard label: Miscellaneous
Excepted Quantity Code: E1
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special provisions: A27
Emergency Response Guide-Code (ERG): 9A

15. Regulatory information

National regulations - U.S. Federal Regulations

Ethyl 2-cyanoacrylate: TSCA Inventory: listed
TSCA HPVC: not listed

National regulations - U.S. State Regulations

Ethyl 2-cyanoacrylate: California Proposition 65: Not listed.

National regulations - Great Britain

Hazchem-Code: -

16. Other information

Text for labeling: Contains 60 - 99.9 % Ethyl 2-cyanoacrylate. Safety data sheet available on request.



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Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 2 (Moderate)

Reactivity: 2 (Moderate)

HMIS Version III Rating:

Health: 2 (Moderate)

Flammability: 2 (Moderate)

Physical Hazard: 2 (Moderate)

Personal Protection: X = Consult your supervisor

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	2
	X

Reason of change:

Changes in section 2: labeling

General revision

Date of first version:

Jul/11/2017

Department issuing data sheet

Contact person:

see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.