

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date:01/02/2013

Supersedes:01/26/2011

Version:

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form

: Mixture

Product name.

: Cyanoacrylate Furning Compound

Product code

: CNA102

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

Use of the substance/preparation

: Adhesive: component

Latent fingerprint developer

1.3. Details of the supplier of the safety data sheet

SIRCHIE Finger Print Laboratories

100 Hunter Place

27596 Youngsville, NC - USA

T 919-554-2244; 800-356-7311 - F 919-554-2266; 800-899-8181

http://www.sirchie.com

1.4. Emergency telephone number

Emergency number

: 1.800.424.9300

SECTION 2: Hazards identification

2.1. Glassification of the substance or mixture

Classification (GHS-US)

Skin Irrit. 2 Eye Irrit. 2A STOT SE 3 H315 H319

H335

2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



GHS07

Signal word (GHS-US)

: Warning

Hazard statements (GHS-US)

H315 - Causes skin irritation

H319 - Causes serious eye irritation H335 - May cause respiratory irritation

Precautionary statements (GHS-US)

P261 - Avoid breathing fume, vapors.

P264 - Wash all exposed skin thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves, eye protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water

P304+P340 - IF INHALED: Remove person to fresh air and keep 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.

P312 - Call a POISON CENTER/doctor/.../if you feel unwell
P321 - Specific treatment (see a physician on this label)
P332+P313 - If skin irritation occurs: Get medical advice/atten

P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention

P362 - Take off contaminated clothing

P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P501 - Dispose of contents/container to local/regional/national/international regulations.

23. Other hazards

additional information available

64. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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.2. Mixtures

Name	Product identifier	%	Classification (GHS-US)
ethyl-2-cyanoacrylate	(CAS No.)7085-85-0	95 - 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
polymethylmethacrylate	(CAS No.)9011-14-7	3 - 5	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest,

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed

by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1, Extinguishing media

Suitable extinguishing media : Foam. Dry powder, Carbon dioxide. Water spray, Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

2. Special hazards arising from the substance or mixture.

Reactivity : No data available.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect

spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

71. Precautions for safe handling

cautions for safe handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container

closed when not in use.

Incompatible products : Strong bases, strong acids.

Incompatible materials : Sources of ignition, Direct sunlight.

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J Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Personal protective equipment

: Gas mask. Gloves. Safety glasses. Avoid all unnecessary exposure.







Materials for protective clothing

nitrile rubber.

Hand protection

Wear protective gloves.

Eye protection

Chemical goggles or safety glasses.

Respiratory protection

Wear approved mask. None necessary.

Environmental exposure controls Other information

: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.4. Information on basic physical and chemical properties

Physical state

: Liquid

Appearance

: Clear, colorless liquid.

Color

colorless. Colorless.

Odor

Irritating/pungent odour. characteristic.

for threshold

No data available

৸ঀ

No data available

Relative evaporation rate (butyl acetate=1) Melting point

: No data available

Freezing point

No data available No data available

Boiling point

: No data available

Flash point

No data available

Self ignition temperature

No data available

Decomposition temperature

No data available

Flammability (solid, gas)

No data available

No data available

Vapor pressure

Relative vapor density at 20 °C

No data available

Relative density

: No data available

Solubility

Insoluble in water.

Log Pow

No data available

Log Kow

: No data available

Viscosity, kinematic

No data available

Viscosity, dynamic

No data available

Explosive properties

No data available

Oxidizing properties

No data available

Explosive limits

: No data available

9,2, Other≝information

No additional information available

SECTION 10: Stability and reactivity

1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions

Not established.

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.0.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5, Incompatible materials

strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

: Not classified Acute toxicity

ethyl-2-cyanoacrylate (7085-85-0)	
LD50 oral rat	> 5000 mg/kg body weight (Rat; Experimental value, Rat; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg body weight (Rabbit; Experimental value, Rabbit; Experimental value)
Skin corrosion/irritation	: Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization Not classified

: Not classifiedBased on available data, the classification criteria are not met Germ cell mutagenicity

: Not classified Carcinogenicity

: Not classifiedBased on available data, the classification criteria are not met Reproductive toxicity

: May cause respiratory irritation. Specific target organ toxicity (single exposure)

: Not classifiedBased on available data, the classification criteria are not met Specific target organ toxicity (repeated exposure)

: Not classifiedBased on available data, the classification criteria are not met piration hazard

: Based on available data, the classification criteria are not met. Potential Adverse human health effects and

symptoms

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Cyanoacrylate Fuming Compound		
Persistence and degradability	Not established.	

ethyl-2-cyanoacrylate (7085-85-0)		
Persistence and degradability	Biodegradability in water: no data available. No (test)data on mobility of the substance available.	

12,3. Bioaccumulative potential

Cyanoacrylate: Furning: Compound		
Bioaccumulative potential	Not established.	

ethy)-2-cyanoacrylate (7085-85-0)		
Bioaccumulative potential	No bioaccumulation data available.	

12.4, Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

ECTION 13: Disposal considerations

月. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

: Avoid release to the environment. Ecology - waste materials

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

A.1. UN number

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.4.2. UN proper shipping name

Not applicable

14.3. Additional information

Other information

: No supplementary information available.

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

No additional information available

EU-Regulations

No additional information available

assification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3 US State regulations

No additional information available

SECTION 16: Other information

Indication of changes

: Revision - See: *.

Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending

Regulation (EC) No 1907/2006.

Training advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information

None.

Full text of H-phrases: see section 16:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

NFPA health hazard

: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt

medical attention is given.

NFPA fire hazard

: 2 - Must be moderately heated or exposed to relatively high

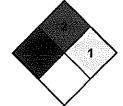
temperature before ignition can occur.

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'PA reactivity

: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 2 Moderate Hazard

Physical

: 1 Slight Hazard

Personal Protection

: 0

SDS US (GHS HazCom 2012)

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.



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: Mixture

Product name.

: Cyanoacrylate Fuming Compound

Product code

CNA102

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

Use of the substance/preparation

: Adhesive: component

Latent fingerprint developer

1.3, Details of the supplier of the safety data sheet

SIRCHIE Finger Print Laboratories

100 Hunter Place

27596 Youngsville, NC - USA

T 919-554-2244; 800-356-7311 - F 919-554-2266; 800-899-8181

http://www.sirchie.com

1.4. Emergency telephone number

Emergency number

1.800.424.9300

SECTION 2: Hazards identification

2.1. Glassification of the substance or mixture

Classification (GHS-US)

Skin Irrit. 2 Eye Irrit. 2A STOT SE 3 H315

H319 H335

_.2, Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



GHS07

Signal word (GHS-US)

: Warning

Hazard statements (GHS-US)

: H315 - Causes skin irritation

H319 - Causes serious eye irritation H335 - May cause respiratory irritation

mood - way cause respiratory irritation

Precautionary statements (GHS-US)

P261 - Avoid breathing fume, vapors.

P264 - Wash all exposed skin thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves, eye protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water

P304+P340 - IF INHALED: Remove person to fresh air and keep 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.

P312 - Call a POISON CENTER/doctor/.../if you feel unwell P321 - Specific treatment (see a physician on this label)

P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention

P362 - Take off contaminated clothing

P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P501 - Dispose of contents/container to local/regional/national/international regulations.

2.3. Other⊪hazards

· additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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Mixtures

-Name	Product identifier	%	Classification (GHS-US)
ethyl-2-cyanoacrylate	(CAS No.)7085-85-0	95 - 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
polymethylmethacrylate	(CAS No.)9011-14-7	3-5	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed

by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

: Foam, Dry powder, Carbon dioxide, Water spray, Sand.

Suitable extinguishing media Unsuitable extinguishing media

: Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Reactivity : No data available.

5.3. Advice for firefighters.

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect

spillage. Store away from other materials.

6.4, Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

recautions for safe handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container

closed when not in use.

Incompatible products : Strong bases, strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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....Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Personal protective equipment

: Gas mask. Gloves. Safety glasses. Avoid all unnecessary exposure.





Materials for protective clothing

nitrile rubber.

Hand protection

Wear protective gloves.

Eye protection

Chemical goggles or safety glasses.

Respiratory protection

Wear approved mask.

Environmental exposure controls

None necessary.

Other information

When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

: Liquid

Appearance

Clear, colorless liquid.

Color

colorless. Colorless.

Odor

Irritating/pungent odour, characteristic.

for threshold

No data available

No data available

Relative evaporation rate (butyl acetate=1)

: No data available

Melting point

No data available

Freezing point **Boiling** point

: No data available No data available

Flash point

No data available

Self ignition temperature

: No data available

Decomposition temperature

No data available

Flammability (solid, gas)

No data available

Vapor pressure

No data available

Relative vapor density at 20 °C

No data available

Relative density

No data available

Solubility

Insoluble in water.

Log Pow

No data available

Log Kow

No data available

Viscosity, kinematic

No data available

Viscosity, dynamic

No data available

Explosive properties

No data available

Oxidizing properties

No data available

Explosive limits

No data available

9.2, Other information

No additional information available

SECTION 10: Stability and reactivity

.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions

Not established.

Safety Data Sheet

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.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10:5. Incompatible materials

strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

ethyl-2-cyanoacrylate (7085-85-0)		
LD50 oral rat	> 5000 mg/kg body weight (Rat; Experimental value,Rat; Experimental value)	
LD50 dermal rabbit	> 2000 mg/kg body weight (Rabbit; Experimental value,Rabbit; Experimental value)	

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classifiedBased on available data, the classification criteria are not met

: Not classified Carcinogenicity

Reproductive toxicity : Not classifiedBased on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated

exposure)

: Not classifiedBased on available data, the classification criteria are not met

piration hazard : Not classifiedBased on available data, the classification criteria are not met

rotential Adverse human health effects and

symptoms

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

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability Cyanoacrylate Fuming Compound

Persistence and degradability	Not established.	
ethyl-2-cyanoacrylate (7085-85-0)		
Persistence and degradability	Biodegradability in water: no data available. No (test)data on mobility of the substance	

12-3. Bioaccumulative potential			
Cyanoacrylate Furning:Compound			
Bioaccumulative potential	Not established.		

ethyl-2-cyanoacrylate (7085-85-0)		
Bioaccumulative potential	No bioaccumulation data available.	

12.4: Mobility in soil

No additional information available

12,5, Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

A. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

available.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

141. UN number

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Not applicable

14-3. Additional information

Other information

: No supplementary information available.

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

'assification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Indication of changes

: Revision - See : *.

Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Training advice

: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information

: None.

Full text of H-phrases: see section 16:

one of a philadean deal deal for	
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	skin corresion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

NFPA health hazard

 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt

medical attention is given.

NFPA fire hazard

: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

PA reactivity

: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with

some release of energy, but not violently.

HMIS III Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 2 Moderate Hazard

Physical

: 1 Slight Hazard

Personal Protection

: G

SDS US (GHS HazCom 2012)

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warrantly of merchantability or any other warrantly, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.

