

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## PrintaGlue

Print date: 10.06.2015

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

#### 1.1. Product identifier

CA 3407 CYANOACRYLATE

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

##### Use of the substance/mixture

Cyanoacrylate containing adhesive.

#### 1.3. Details of the supplier of the safety data sheet

Company name:	Nohtec GmbH	
Street:	Scheuren 39	
Place:	D-53937 Schleiden	
Telephone:	+49 (0) 2445 852432	Telefax: +49 (0) 2445 852433
Internet:	www.aprintapro.com	
Responsible Department:	Dr. Timo Gans-Eichler Chemieberatung Raesfeldstr. 22 D-48149 Münster	e-mail: info@tge-consult.de Tel.: +49 (0)251/924520-60 www.tge-consult.de

#### 1.4. Emergency telephone number:

+46 660 499 1870

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Indications of danger: Xi - Irritant  
R phrases:  
Irritating to eyes, respiratory system and skin.

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

Hazard categories:  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazard Statements:  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.

#### 2.2. Label elements

##### Hazardous components which must be listed on the label

ethyl 2-cyanoacrylate

Signal word:	Warning
Pictograms:	GHS07



##### Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

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### Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352:	IF ON SKIN: Wash with plenty of 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 instructions on this label).

### Special labelling of certain mixtures

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
230-391-5	ethyl 2-cyanoacrylate	
7085-85-0	Xi - Irritant R36/37/38	
607-236-00-9	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335	

Full text of R, H and EUH phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. First aider: Pay attention to self-protection! Seek medical advice immediately.

#### After contact with skin

Remove contaminated, saturated clothing immediately. Do not peel solidified product off the skin. Wash with plenty of water/?. Call a physician immediately.

#### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

#### After ingestion

Rinse mouth. Do NOT induce vomiting. Seek medical advice immediately.

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

After skin contact: irritation. erythema (redness)  
Following eye contact: irritation. lacrimation.  
Following inhalation: irritation.

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

Foam. Carbon dioxide. Dry extinguishing powder.

##### **Unsuitable extinguishing media**

High power water jet.

#### 5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Gas/vapours, toxic.

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Avoid contact with skin, eyes and clothes.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.

### SECTION 6: Accidental release measures

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

Provide adequate ventilation.

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

Wear personal protection equipment. (refer to chapter 8)

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

#### 6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Collect in closed containers for disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 6.4. Reference to other sections

refer to chapter 8

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

Provide adequate ventilation. Use only outdoors or in a well-ventilated area.

Wear suitable protective clothing. (refer to chapter 8)

Conditions to avoid: aerosol or mist generation.

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

##### **Further information on handling**

Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol.

General protection and hygiene measures: refer to chapter 8

#### 7.2. Conditions for safe storage, including any incompatibilities

##### **Requirements for storage rooms and vessels**

storage temperature: 2-8 °C

Keep/Store only in original container.

##### **Advice on storage compatibility**

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances.

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### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7085-85-0	Ethyl cyanoacrylate	-	-		TWA (8 h)	WEL
		0.3	1.5		STEL (15 min)	WEL

### 8.2. Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

#### Protective and hygiene measures

Always close containers tightly after the removal of product. Wash hands before breaks and after work. When using do not eat, drink or smoke. Take off contaminated clothing.

#### Eye/face protection

Tightly sealed safety glasses. DIN EN 166

#### Hand protection

Wear suitable gloves. DIN EN 374

Suitable material: PE (polyethylene).

Unsuitable material: PVC (Polyvinyl chloride). Rubber. Nylon. Natural fibres (e.g. cotton)

#### Skin protection

Protective clothing.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

#### Test method

#### Changes in the physical state

Initial boiling point and boiling range:	150 °C
Flash point:	85 °C
Vapour pressure:	0,39 hPa
Density:	1,04 g/cm <sup>3</sup>
Water solubility:	insoluble

#### Solubility in other solvents

Acetone (highly soluble.)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal storage and handling conditions.

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### 10.2. Chemical stability

Stable under normal storage and handling conditions.

### 10.3. Possibility of hazardous reactions

Stable under normal storage and handling conditions.

### 10.4. Conditions to avoid

Hazardous polymerisation: Exothermic reactions with: Water. Amines. Alkalis (alkalis). Alcohol.

### 10.5. Incompatible materials

Oxidizing agents, strong. Water. Strong acid.

### 10.6. Hazardous decomposition products

Can be released in case of fire: Gas/vapours, toxic.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

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

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
7085-85-0	ethyl 2-cyanoacrylate				
	oral	LD50	>5000 mg/kg	Rat	
	dermal	LD50	>2000 mg/kg	Rabbit	

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Irritant effect on the respiratory tract: Relative room humidity (%): <50%: Formation of: Gas/vapours, irritant.

#### Sensitising effects

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

Do not breathe vapour. May cause sensitisation especially in sensitive humans.

#### STOT-single exposure

May cause respiratory irritation. (ethyl 2-cyanoacrylate)

#### Severe effects after repeated or prolonged exposure

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

#### Aspiration hazard

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

#### Further information

After skin contact: irritation. erythema (redness)

Following eye contact: irritation. lacrimation.

Following inhalation: irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

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No data available

### **12.4. Mobility in soil**

No data available

### **12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### **12.6. Other adverse effects**

No data available

## SECTION 13: Disposal considerations

### **13.1. Waste treatment methods**

#### **Advice on disposal**

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal.

#### **Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### **Land transport (ADR/RID)**

**14.1. UN number:** Not restricted

**14.2. UN proper shipping name:** Not restricted

**14.3. Transport hazard class(es):** Not restricted

**14.4. Packing group:** Not restricted

### **Inland waterways transport (ADN)**

**14.1. UN number:** Not restricted

**14.2. UN proper shipping name:** Not restricted

**14.3. Transport hazard class(es):** Not restricted

**14.4. Packing group:** Not restricted

### **Marine transport (IMDG)**

**14.1. UN number:** Not restricted

**14.2. UN proper shipping name:** Not restricted

**14.3. Transport hazard class(es):** Not restricted

**14.4. Packing group:** Not restricted

### **Air transport (ICAO)**

**14.1. UN number:** Not restricted

**14.2. UN proper shipping name:** Not restricted

**14.3. Transport hazard class(es):** Not restricted

**14.4. Packing group:** Not restricted

### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

### **14.6. Special precautions for user**

Not restricted

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not restricted

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

##### Additional information

The preparation is dangerous in the sense of Directive 1999/45/EC.  
This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].  
Not subject to regulation 96/82/EC.

##### National regulatory information

Employment restrictions: Observe employment restrictions for young people.  
Water contaminating class (D): 3 - highly water contaminating

### SECTION 16: Other information

#### Changes

Rev. 1.00; 19.02.2015, Initial release

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
CAS Chemical Abstracts Service  
DNEL: Derived No Effect Level  
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
LOAEL: Lowest observed adverse effect level  
LOAEC: Lowest observed adverse effect concentration  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NOAEL: No observed adverse effect level  
NOAEC: No observed adverse effect level  
NTP: National Toxicology Program  
N/A: not applicable  
OSHA: Concerning the International Transport of Dangerous Goods by Rail)  
PNEC: predicted no effect concentration  
PBT: Persistent bioaccumulative toxic  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
SARA: Superfund Amendments and Reauthorization Act  
SVHC: substance of very high concern  
TRGS Technische Regeln für Gefahrstoffe  
TSCA: Toxic Substances Control Act  
VOC: Volatile Organic Compounds  
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe  
WGK: Wassergefährdungsklasse

#### Relevant R-phrases (Number and full text)

36/37/38 Irritating to eyes, respiratory system and skin.

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### Relevant H- and EUH-phrases (Number and full text)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
EUH202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*