

**THIN 2.1 ACRYLIC THINNER**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**THIN 2.1 ACRYLIC THINNER**

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

For professional use in car refinish.

**1.3. Data of the supplier Safety Data Sheet**

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**SECTION 2: HAZARD IDENTIFICATION**

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

The mixture was classified as dangerous pursuant to current regulations - see section 15.

**Classification 1272/2008/WE:**

Serious eye damage/eye irritation, Hazard Category 2. Causes serious eye irritation.

Sensitisation — Skin, category 1 (Skin Sens. 1). May cause an allergic skin reaction.

Specific target organ toxicity — Single exposure, Hazard Category 3, Respiratory tract irritation (STOT SE 3). May cause drowsiness or dizziness.

Hazardous to the aquatic environment — Chronic Hazard, Category 2 (Aquatic Chronic 2). Toxic to aquatic life with long lasting effects.

Repeated exposure may cause skin dryness or cracking.

Liquid, flammable substances, category 2 (Flam. Liq. 2). Highly flammable liquid and vapour.

**2.2. Label elements:**

Contains:

4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene, Acetone

Pictograms:



Signal word:

Danger

H225

Highly flammable liquid and vapour.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

H411

Toxic to aquatic life with long lasting effects.

EUH066

Repeated exposure may cause skin dryness or cracking.

P102

Keep out of reach of children.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P235

Keep cool.

P240

Ground, bond container and receiving equipment

P241

Use ventilating equipment.

P242

Use only non-sparking tools.

P243

Take precautionary measures against static discharge.

P261

Avoid breathing vapours, spray.

P271

Use only outdoors or in a well-ventilated area.

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves, protective clothing, eye protection, face protection.

P363

Wash contaminated clothing before reuse.

P303 + P361 + P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P333 + P313

If skin irritation or rash occurs: Get medical advice.

P370+P378

In case of fire: Use dry chemical powder for extinction.

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### SECTION 2: HAZARD IDENTIFICATION

#### 2.2. Label elements:

P304 + P340

P312

P403 + P233

P501

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Call a doctor if you feel unwell.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents and container in accordance with local, state and federal regulations.

#### 2.3. Other hazards

No available data.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

Not applicable.

#### 3.2. Mixtures

##### Product identification

##### THIN 2.1 ACRYLIC THINNER

Substance name	Identification numbers	Classification and marking	Concentration [wt%]
4-chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	WE: 202-681-1 CAS: 98-56-6 Index no.: --- Registration no.: 05-2114106385-56-XXXX	Flam. Liq. 3; H226; Skin Sens. 1B, H317 Aquatic Chronic 2; H411	75-83
Acetone	WE: 200-662-2 CAS: 67-64-1 Index no.: 606-001-00-8 Registration no.: 01-2119471330-49-XXXX	Flam. Liq. 2; H225; Eye Irrit.2; H319; STOT SE 3, H336 EUH066	17-23

Full text of the phrases identifying the types of hazards is provided in section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures:

General information:

See section 11 of the Safety Data Sheet.

Inhalation:

Take the victim outside into fresh air, ensure quiet surrounding; in case of no breath, apply artificial respiration. Call a doctor.

Skin:

Take off contaminated clothing. Rinse contaminated skin with plenty of lukewarm water for about 15 minutes. If irritation persists, consult a doctor.

Eyes:

Rinse immediately with plenty of lukewarm water for about 15 minutes, avoid strong water jet-risk of cornea damage, consult a doctor.

Alimentary tract:

Do not provoke vomiting (choking risk). Rinse mouth with water. If conscious, administer 1-2 glasses of warm water. Call a doctor.

Person giving first aid should wear medical gloves.

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

Fumes might cause drowsiness and vertigo. Repeated exposure might cause skin dryness or rupture.

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

Special measures allowing for specialist and immediate aid should be available in the place of work.

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### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Powder, foam resistant to alcohols, carbon dioxide, water mist.

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

Fire may cause generation of carbon dioxide and other toxic gases.

#### 5.3. Advice for firefighters

Fire-fighting teams should wear self-contained breathing apparatus and light protective clothing. Cool adjacent tanks by spraying water at a safe distance.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For persons not being the members of aid giving staff:

Eliminate sources of ignition. Ensure sufficient ventilation of the room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Personal protection measures - section 8 of the Safety Data Sheet.

For persons giving aid:

Persons giving aid should wear protective clothing made of coated, impregnated fabric, protective gloves (viton), tight protective glasses and breathing apparatus: gas mask with A type absorber.

#### 6.2. Environmental precautions

Prevent leakage to the sewage system, surface waters, underground waters and soil.

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

Stop the leakage (close the liquid inflow, seal), place damaged container in an emergency container, remove the liquid mechanically and place it in an emergency container. In case of large leakage, embank the area. In case of small amounts, collect with the use of a binding agent (e.g. mica, diatomaceous earth, sand).

#### 6.4. Reference to other sections

Personal protection measures - see section 8 of the Safety Data Sheet.

Disposal considerations - see section 13 of the Safety Data Sheet.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Keep away from heat and fire sources. Prevent leakage to the sewage system, surface waters, underground waters and soil. Use in well ventilated rooms. Do not inhale fumes. Avoid contact with skin and eyes. Take precaution measures against electrostatic discharge. Use personal protection measures - section 8 of the Safety Data Sheet.

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

Store in tightly sealed, original containers. Do not store near large amounts of organic peroxides and other strong oxidants. Take precaution measures against electrostatic discharge. Store in cool, well ventilated rooms. Protect from low temperatures, the influence of sunrays and heat sources.

#### 7.3. Special end use(s)

For professional use in car refinish taking into consideration the information included in subsections 7.1 and 7.2.

### SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

#### 8.1. Control parameters

Acetone CAS 67-64-1 according to:

- TRGS 900: MAK: 500ppm, MAK: 1200 mg/m<sup>3</sup>, 2(I),DFG
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 500 ppm: 1210 mg/m<sup>3</sup>, STEL 1500ppm, 3620 mg/m<sup>3</sup>

#### 8.2. Exposure control

Respiratory tract protection:

Gas mask with A type absorber (EN 141).

Hand protection:

Protective gloves PN-EN 374-3 (viton, 0.7 mm thick, penetration time > 480 min, nitrile rubber, 0,4 mm thick, penetration time > 30 min)

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### SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

#### 8.2. Exposure control

Eye protection:  
Tight protective glasses.

Skin protection:  
Proper protective clothing (coated impregnated fabrics).

Workplace:  
Fixed fume extraction and general ventilation.

Environmental exposure control:  
Prevent leakage to the sewage system, surface waters, underground waters and soil.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state	liquid
Colour	in accordance with colour template
Odour	strong, powerful
Odour threshold	no data
pH	not applicable
Melting/freezing point	not applicable
Boiling point	56°C,                      about 133°F
Flash point	-17°C,                      1,4 °F
Autoignition point	about 465°C,                      869°F
Breakdown point	not specified
Evaporation rate	not specified
Flammability (solid, gas)	not applicable
Explosion limits	% bottom: 2.5 vol%    top: 14.3 vol% (acetone)
Vapour pressure	233 hPa (20°C) (acetone)
Vapour density (with regard to air)	2.0 (acetone)
Density	about 1.2 g/cm <sup>3</sup> (20°C),    about 10 lb/gal
Solubility (in water)	poor
N-octanol/water division ratio	-0,24 (acetone)
Viscosity	no data
Explosive properties	not applicable
Oxidizing properties	not applicable

#### 9.2 Other informations

No available data.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

The product is not reactive under normal conditions.

#### 10.2. Chemical stability

The product remains stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Carbon monoxide and other toxic gases are generated as a result of thermal decomposition.

#### 10.4. Conditions to be avoided

Highly flammable product. Avoid contact with strongly oxidizing agents, peroxides, strong acids and bases. Avoid generation and accumulation of static electricity. Protect from the influence of sunrays and heat sources.

#### 10.5. Incompatible materials

Avoid contact with large amounts of organic peroxides, strong acids and bases as well as other strong oxidants.

#### 10.6. Hazardous decomposition products

Carbon monoxide and other toxic gases are generated as a result of thermal decomposition.

**THIN 2.1 ACRYLIC THINNER**

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

**a) Acute toxicity**

Acetone	LD <sub>50</sub> (rat, oral)	5800 mg/kg
	LD <sub>50</sub> (rabbit, skin)	20000 mg/kg
	LC <sub>50</sub> (rat, inhalation)	39 mg/ m <sup>3</sup> /4h

**b) Skin corrosion/irritation**

No available data confirming the hazard class.

**c) serious eye damage/irritation**

Causes serious eye irritation.

**d) respiratory or skin sensitisation**

May cause an allergic skin reaction.

**e) germ cell mutagenicity**

The mixture has not been classified as mutagenic. No available data confirming the hazard class.

**f) carcinogenicity**

The mixture has not been classified as cancerogenic. No available data confirming the hazard class.

**g) reproductive toxicity**

The mixture has not been classified as having any harmful effect on reproduction. No available data confirming the hazard class.

**h) STOT-single exposure**

May cause drowsiness or dizziness.

**i) STOT- repeated exposure**

No available data confirming the hazard class.

**j) aspiration hazard**

No available data confirming the hazard class.

**Exposure methods:**

Inhalation: May cause irritation.

Skin: May cause an allergic skin reaction.

Eyes: Causes serious eye irritation.

If swallowed, the substance may cause irritation of the alimentary tract, nausea, vomiting and diarrhoea.

**Poisoning symptoms:**

Headache and vertigo, fatigue, decreased muscle power, drowsiness and, in exceptional instances, loss of consciousness.

Fumes might cause drowsiness and vertigo. Repeated exposure may cause skin dryness or cracking.

**SECTION 12: ECOLOGICAL INFORMATION**

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

**12.1. Toxicity**

Acetone	Daphnia magna EC50 (48h)	39 mg/l	
	Number in the catalogue of water hazardous substances:		6
	Water hazard class:	1	

**12.2. Persistence and degradability**

No available data.

**12.3. Bioaccumulative potential**

No available data.

**12.4. Mobility in soil**

Product very poorly soluble in water.

**THIN 2.1 ACRYLIC THINNER**

**SECTION 12: ECOLOGICAL INFORMATION**

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

No available data.

**12.6. Other adverse effects**

Toxic to aquatic life with long lasting effects.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

The product must be disposed of in compliance with proper local and statutory regulations with regard to waste - see point 15. The product should be disposed with entities which are authorised to conduct activity in the area of collecting, recycling or utilization of waste.

Product remains:

Do not dispose the product into the sewage system. Do not store with communal waste. Remove the remains of the mixture carefully and leave to dry only in good ventilated rooms. The dried product is not harmful waste.

**CAUTION:** The remains should be dried in small portions. Keep them away from flammable products. High amounts of heat are released during chemical reaction!

Contaminated container:

A container containing unhardened remains of the product is harmful waste. Do not store with communal waste. The contaminated container should be disposed with entities which are authorized to collection, recover or disposal.

**SECTION 14: TRANSPORT INFORMATION**

	ADR/RID	IMO/IMGD	IATA-DGR
<b>14.1. UN number</b>	1263	1263	1263
<b>14.2. UN proper shipping name</b>	PAINT RELATED MATERIAL		
<b>14.3. Transport hazard class(es)</b>	3	3	3
<b>14.4. Packaging group</b>	II	II	II
<b>14.5. Environmental hazards</b>	yes	yes	no
<b>14.6. Special precautions for user</b> Do not transport together with materials of class 1 (excluding materials of class 1.4S) and some materials of classes 4.1 and 5.2. During transport, avoid direct contact with materials of classes 5.1 and 5.2. Do not use an open flame and do not smoke.			
<b>14.7. Transport in bulk according to Annex II of MARPOL Convention and the IBC Code</b> Not applicable.			

**SECTION 15: REGULATORY INFORMATION**

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

REACH - Regulation 2006/1907/WE  
CLP - Regulation 1272/2008/WE

**15.2. Chemical safety assessment**

Not performed

**SECTION 16: OTHER INFORMATION**

**Full text of the phrases identifying the types of hazards mentioned in sections 2-15**

Flam.Liq.3 Liquid, flammable substances, category 3  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
STOT SE 3 Specific target organ toxicity– single exposure, category 3  
H336 Might cause drowsiness or or dizziness.

**THIN 2.1 ACRYLIC THINNER**

**SECTION 16: OTHER INFORMATION**

**Full text of the phrases identifying the types of hazards mentioned in sections 2-15**

Skin Sens. 1 Skin sensation, category 1.

H317 May cause an allergic skin reaction.

Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2

H411 Toxic to aquatic life with long lasting effects.

Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2

H319 Causes serious eye irritation.

EUH066 Repeated exposure may cause skin dryness or cracking.

**Explanation of the abbreviations and acronyms used in the Safety Data Sheet**

**CAS no** – numerical symbol ascribed to a chemical substance by the American organization, Chemical Abstracts Service (CAS).

**EC no.** – a number ascribed to a chemical substance in the European List of Notified Chemical Substances (ELINCS) or a number in the European Inventory of Existing Chemical Substances mention in "No-longer polymers" publication (EINECS)

**MPC** – maximum permissible concentration of health hazardous substances in the work place

**MPIC** – maximum permissible instantaneous concentration

**MPCC** - maximum permissible ceiling concentration

**PCB** - permissible concentration in biological material

**UN number** - four-digit identification number of a substance, preparation or product pursuant to UN model regulations

**ADR** – European agreement on international road transport of hazardous materials

**IMO** – International Marine Organization

**RID** – Regulations for international rail transport of hazardous materials

**IMDG-Code** – International marine code for hazardous materials

**ICAO /IATA** – Technical Instructions for Safe Air Transport of Hazardous Materials

The information is based on our current knowledge. This document shall not constitute warranty for product characteristics. Classification was made by calculation method according to the classification rules contained in Regulation 1272/2008/WE.

**Other sources of information**

**ECHA** European Chemicals Agency

**TOXNET** Toxicology Data Network

**IUCLID** International Uniform Chemical Information Database

Changes: General update

Trainings:

With regard to handling, health and safety while working with hazardous substances and mixtures.

With regard to transport of hazardous goods pursuant to the requirements of ADR regulations.

Issued by: NOVOL Sp. z o.o.