



SAFETY DATA SHEET

CA Activator

According to Regulation (EU) No 2015/830

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

1.1. Product identifier

Product Name CA Activator

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

Identified uses Activator for Cyanoacrylate Adhesives

1.3. Details of the supplier of the safety data sheet

Supplier **STS Kimyasal Maddeler ve Metal San. Dış Tic. Ltd. Şti.**

Hürriyet Bulvarı Kent Neriva Sitesi

C-Blok No:13 Başakşehir, İstanbul

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1.4. Emergency telephone number

Tel: 0 212 485 73 71

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Aerosol 1 – H222, H229

Human health Asp. Tox. 1 - H304; Skin Irrit. 2 - H315; Repr. 2 - H361f; STOT RE 2 - H373

Environment Aquatic Chronic 2 - H411

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Danger

Contains n-hexane

Hazard Statements

H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated
H315	Causes skin irritation.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.



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P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P405	Store locked up.
P501	Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Name	EC No.	CAS No.	Content%	Classification (EC 1272/2008)
Propane	200-827-9	74-98-6	10-30	Flam. Gas 1 - H220
Butane	203-448-7	106-97-8	10-30	Flam. Gas 1 - H220
Isobutane	200-857-2	75-28-5	10-30	Flam. Gas 1 - H220
n-hexane	203-777-6	110-54-3	10-40	Flam. Liq. 2 - H225 Asp. Tox. 1 - H304 Skin Irrit. 2 - H315 STOT SE 3 - H336 Repr. 2 - H361f STOT RE 2 - H373 Aquatic Chronic 2 - H411
N,N-dimethyl-p-toluidine	202-805-4	99-97-8	< 1	Acute Tox. 3 - H301 Acute Tox. 3 - H301 Acute Tox. 3 - H301 STOT RE 2 - H373 Aquatic Chronic 3 - H412

Name	Specific Concentration limits
n-hexane	STOT RE 2; H373: C ≥ 5 %

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition Comments

- The data shown are in accordance with the latest EC Directives.
- See please section 8 for exposure limits.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.



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Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation

Dizziness. Allergy or asthma symptoms or breathing difficulties.

Ingestion

Nausea, vomiting.

Skin contact

Causes irritation.

Eye contact

May causes eye irritation.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Water spray, dry chemical powder, carbon dioxide.

Unsuitable extinguishing media

DO NOT use water jet.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Vapours may form explosive mixtures with air.
Aerosol cans may explode in a fire.

Specific hazards

In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Avoid breathing fire vapours. Move container from fire area if it can be done without risk. Be aware of danger for fire to restart. Dike and collect extinguishing water.

Protective equipment for fire-fighters

Face mask, protective gloves and safety helmet. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Remove all ignition sources. No smoking. Ventilate. Provide adequate ventilation. Do not breathe vapour/spray. Avoid contact with skin and eyes.

6.2. Environmental precautions

Avoid discharge into water courses or onto the ground.



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6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

6.4. Reference to other sections

For personal protection, see section 8.
See section 11 for additional information on health hazards.
For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours and spray mists. Provide good ventilation. Protect against direct sunlight.

7.2. Conditions for safe storage, including any incompatibilities

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Protect against physical damage and/or friction. Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry and cool place.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
Butane	WEL	600 ppm	1450 mg/m ³	750 ppm	1810 mg/m ³	
Propane	WEL	1000 ppm	1800 mg/m ³	----	2.8 mg/m ³	
n-hexane	WEL	20 ppm	72 mg/m ³	----	----	

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Use protective gloves made of: Rubber, neoprene or PVC. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.



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Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Isolate contaminated clothing and wash before reuse.

Skin protection

Wear apron or protective clothing in case of contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Aerosol
Colour	Colourless. Light
Odour	Hydrocarbon.
Odor threshold	No data available.
Evaporation rate	5.7 (Heptane) (n butyl acetat:1)
pH Value	No data available.
Melting Point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	<-40°C
Solubility	No data available.
Flammability (solid, gas)	No data available.
Auto-Ignition Temperature	410-580
Lower Flammability Limit	1.8%
Upper Flammability Limit	9.5%
Vapour pressure	No data available.
Relative Density	No data available.
Evaporation rate	No data available.
Partition Coefficient (N-octanol/water)	No data available.
Viscosity	0.5 mPas (Heptane)

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product can exothermic reaction with cyanoacrylates

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

10.5. Incompatible materials

Strong oxides.



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10.6. Hazardous decomposition products

In case of fire, the toxic gas/vapour and carbon oxides will occur as harmful degradation product.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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

ATE, oral >2000 mg/kg

ATE, dermal >2000 mg/kg

ATE, inhalation >20 mg/l/ 4 hours

Skin corrosion/Irritation

Causes skin irritation.

Serious Eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - In Vitro/ In Vivo

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive Toxicity – Fertility/ Development

Suspected of damaging fertility.

Specific target organ toxicity - single exposure:

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Based on available data the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

The product is not soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not known.



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.
Empty containers must not be burned because of explosion hazard.

- 15 01 10* Packaging containing residues of or contaminated by dangerous substances
- 15 01 04 Metallic packaging
- 16 05 04* Gases in pressure containers (including halons) containing dangerous substances

SECTION 14: TRANSPORT INFORMATION

General Limited quantities derogation may be applicable to this product, please check transport documents.

14.1. UN number

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2. UN proper shipping name

Proper Shipping Name AEROSOLS

14.3. Transport hazard class(es)

ADR/RID/ADN Class	2.1
ADR/RID/ADN Class	Class 2: Gases.
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1
Transport Labels	



14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
Yes

14.6. Special precautions for user

Limited quantity	5L
EMS	F-D, S-U
Tunnel Restriction Code	(D)

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

No information required.



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SECTION 15: REGULATORY INFORMATION

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

Guidance Notes

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement on International Carriage of Dangerous Goods by Road.

ADN: European Agreement on the International Carriage of Dangerous Goods by Inland Waterways.

RID: European Agreement on International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO-TI: Technical Specification for Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

TWA: Time weighted average

ATE: Estimated value of acute toxicity

EC No: European Community number

CAS: Chemical Theory Service.

LD50: Substance that causes 50% (half) death in the test animals group (Median Fatal Dose).

LC50: Substance concentration causing 50% (half) death in the test animals group.

EC50: Effective Concentration of the substance causing the maximum of 50%.

PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Permanent, Very Biofriendly.

SEA: Classification, labeling, packaging regulation

DNEL: Derivative Inactive Level

PNEC: Estimated Unaffected Concentration

BHOT: Specific Target Organ Toxicity

Classification reason

Aerosol 1 - H222+H229 Expert assessment

Skin Irrit. 2 - H315 Calculation method

Asp. Tox. 1 - H304 Calculation method

Repr. 2 - H361f Calculation method

STOT RE 2 - H373 Calculation method

Aquatic Chronic 2 - H411 Calculation method

Hazard Statements In Full

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H361f Suspected of damaging fertility.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.



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Information Sources

This SDS is prepared based on the information received from the product owner.

Revision Comments

This is first issue.

Issued By

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Issued Note

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