



SAFETY DATA SHEET

Cascamate Part A (Adtech 1001)

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

1.1. Product identifier

Product name Cascamate Part A (Adtech 1001)

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

Identified uses Activator.

1.3. Details of the supplier of the safety data sheet

Supplier UREKA GLOBAL LTD
UNIT 5 DECOYPOOL ROAD,
St MODWEN PARK,
NEWPORT
NP19 4RG
+44 117 971 1364
sales@thenamethatsticks.com

1.4. Emergency telephone number

Emergency telephone Ureka Global +44 (0)117 971 1364 (Mon - Fri) 09:00 - 16:00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229
Health hazards Skin Irrit. 2 - H315 STOT SE 3 - H336
Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) F+; R12. Xi; R38. N; R51/53. R67

Human health Vapours and spray/mists in high concentrations are narcotic.

Environmental The product contains a substance which is toxic to aquatic organisms.

Physicochemical Containers can burst violently or explode when heated, due to excessive pressure build-up.
The product is extremely flammable. Vapours may form explosive mixtures with air.

2.2. Label elements

Hazard pictograms



Signal word

Danger

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Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P102 Keep out of reach of children. 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. P261 Avoid breathing vapour/ spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTRE/doctor if you feel unwell. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Contains	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, Hydrocarbons, C6, isoalkanes, <5% n-hexane
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

Other hazards	This product is not identified as a PBT/vPvB substance.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

PETROLEUM GASES, LIQUEFIED		30-60%
CAS number: 68476-85-7		EC number: 270-704-2
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Gas 1 - H220	F+;R12.	
Press. Gas (Comp.) - H280		

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Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics		30-60%
CAS number: —	EC number: 921-024-6	REACH registration number: 01-2119475514-35-XXXX
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
Hydrocarbons, C6, isoalkanes		10-25%
CAS number: —	EC number: 931-254-9	REACH registration number: 01-2119484651-34-XXXX
Classification Flam. Liq. 2 - H225 STOT SE 3 - H336 Asp. Tox. 1 - H304		
N,N-DIMETHYL-PARA-TOLUIDINE		<1%
CAS number: 99-97-8	EC number: 202-805-4	
Classification Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT RE 2 - H373 Aquatic Chronic 3 - H412		Classification (67/548/EEC or 1999/45/EC) T;R23/24/25 R33 R52/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	See Section 11 for additional information on health hazards.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently when heated, due to excess pressure build-up.

5.3. Advice for firefighters

Protective actions during firefighting Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene Wash promptly with soap and water if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

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

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Occupational exposure limits

PETROLEUM GASES, LIQUEFIED

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

WEL = Workplace Exposure Limit.

Ingredient comments

WEL = Workplace Exposure Limits

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics

DNEL

Workers - Inhalation; Long term systemic effects: 2035 mg/m³

Workers - Dermal; Long term systemic effects: 773 mg/kg/day

General population - Inhalation; Long term systemic effects: 608 mg/kg/day

General population - Dermal; Long term systemic effects: 699 mg/kg/day

General population - Oral; Long term systemic effects: 699 mg/kg/day

Hydrocarbons, C6, isoalkanes

DNEL

Consumer - Oral; Long term systemic effects: 1301 mg/kg/day

Consumer - Dermal; Long term systemic effects: 1377 mg/kg/day

Workers - Dermal; Long term systemic effects: 13964 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 1131 mg/m³

Workers - Inhalation; Long term systemic effects: 5306 mg/m³

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

No specific hand protection noted, but gloves may still be advisable.

Other skin and body protection

Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

Hygiene measures

Provide eyewash station. Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

Colour

Colourless.

Odour

Characteristic.

Initial boiling point and range

-41 To 215°C @

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Flash point	-40°C Closed cup.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1% Upper flammable/explosive limit: 9.5%
Relative density	0.625
Solubility(ies)	Insoluble in water
Auto-ignition temperature	413°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability The product may not be stable under some conditions of storage or use.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid None known.

10.6. Hazardous decomposition products

Hazardous decomposition products None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 27,800.0

Acute toxicity - dermal

ATE dermal (mg/kg) 60,000.0

Acute toxicity - inhalation

ATE inhalation (gases ppm) 140,000.0

ATE inhalation (vapours mg/l) 600.0

ATE inhalation (dusts/mists mg/l) 100.0

Inhalation Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.

Ingestion Gastrointestinal symptoms, including upset stomach.

Skin contact Causes skin irritation.

Eye contact Vapour or spray in the eyes may cause irritation and smarting.

Route of exposure Skin and/or eye contact Inhalation

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SECTION 12: Ecological information

12.1. Toxicity

Ecological information on ingredients.

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Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics

Toxicity Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 72 hours: 10 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EL50, 48 hours: 3 mg/l, Daphnia magna

Acute toxicity - aquatic plants EL50, 72 hours: 10-30 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOELR, 28 days: 2.045 mg/l, Oncorhynchus mykiss (Rainbow trout)

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.17 mg/l, Daphnia magna
LOEC, 21 days: 0.32 mg/l, Daphnia magna
EC₅₀, 21 days: 0.23 mg/l, Daphnia magna

Hydrocarbons, C6, isoalkanes

Acute aquatic toxicity

Acute toxicity - fish LOEC, 10 : 100 mg/l, Fish

Acute toxicity - aquatic plants LOEC, 10 : 100 mg/l, Algae

N,N-DIMETHYL-PARA-TOLUIDINE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 46-52 mg/l, Pimephales promelas (Fat-head Minnow)

12.2. Persistence and degradability

Persistence and degradability No data available.

Ecological information on ingredients.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics

Biodegradation Water - Degradation (83%): 16 days
Water - Degradation (98%): 28 days
The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility No information available.

Ecological information on ingredients.

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Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics

Mobility The product has poor water-solubility.

Surface tension 20.9 mN/m @ 25°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

Disposal methods Containers should be thoroughly emptied before disposal because of the risk of an explosion.
Do not pierce or burn, even after use.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (ADN) 1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

ADR/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

Transport labels

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14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

National regulations The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

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 (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by Compliance Manager

Revision date 04/02/2020

Revision 2

Supersedes date 23/04/2015

SDS number 21147

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Risk phrases in full

R12 Extremely flammable.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R33 Danger of cumulative effects.
R38 Irritating to skin.
R45 May cause cancer.
R46 May cause heritable genetic damage.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: may burst if heated.
H280 Contains gas under pressure; may explode if heated.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
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.

DIRECTIONS FOR USE

PRODUCT LOGO

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.