

Nailchemistry[®]

SAFETY DATA SHEET

[In accordance with the criteria of Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)]

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: APPLE ACETONE - Gel & Tip Remover
Product name: APPACE

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

Relevant identified uses: Organic solvent.
Uses advised against: Not determined.

1.3. Details of the supplier of the safety data sheet

Producer: Nailchemistry Ltd., Unit E Thistle Park, Crossways Road, Bridgwater, Som UK TA66LS
Address:
Telephone number: +44 1278459066
E-mail address: support@nailchemistry.co.uk
Website: <https://www.nailchemistry.co.uk>

1.4. Emergency telephone number

112

Section 2. Hazards identification

2.1. Classification of the substance or mixture

The mixture/substance meets the criteria for classification according to Regulation 1272/2008/EC (CLP):

H225	Flam. Liq. 2	Highly flammable liquid and vapour.
H319	Eye Irrit. 2	Causes serious eye irritation.
H336	STOT SE 3	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.	

2.2. Label elements



Signal word:
Danger

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Hazard statements:

H225 Flam. Liq. 2 Highly flammable liquid and vapour.
H319 Eye Irrit. 2 Causes serious eye irritation.
H336 STOT SE 3 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233 Keep container tightly closed.
P243 Take precautionary measures against static discharge.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

2.3. Other hazards

Substances in product do not meet criteria for PBT or vPvB in accordance with Annex XIII of Regulation REACH

Substances in product do not have endocrine disrupting properties.

Section 3. Composition/information on ingredients

3.1. Substances Not applicable.

3.2. Mixtures

Chemical name	Concentration on range [%]	CAS No.	EC No.	REACH Registration No.	Classification acc. to. 1272/2008/EC
Acetone	100%	67-64-1	200-662-2	01-2119471330-49-XXXX	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 EUH066

* Full text of H-phrases is presented in section 16.

Section 4. First aid measures

4.1. Description of first aid measures

General recommendations:

Provide the physician with the Safety Data Sheet. Symptoms may occur after exposure. In case of doubt of direct exposure or long-term symptoms or bad feeling, consult a doctor.

Skin contact:

In case of clothes contamination - take off clothes. If the product has caused burns or frostbite, do not remove clothes from the injured person. Wash with soap and water. Rinse for at least 15 minutes with plenty of water. Wash contaminated clothing before reuse. If irritation occurs, consult a physician. If skin blisters appear, do not pierce.

Eye contact:

Profusely rinse eyes with plenty of running water at room temperature, also under the eyelids, for at least 15 minutes. Do not allow the victim to rub or close his eyes. If the injured person have

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contact lenses, they should be removed, unless they are stuck to the eye. Consult an ophthalmologist.

Ingestion:

Induce vomiting immediately after ingestion (5 min), after this time do not induce vomiting. Rinse mouth with water. Get medical attention immediately.

Inhalation:

Take the injured out of the place of exposure. Provide access to fresh air. In the case of symptoms, seek medical advice. If the injured person is not breathing, give artificial respiration and call a doctor.

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

Skin contact:

The product degrades the skin, which may cause dryness, chapping and cracking of the skin. In prolonged and repeated contact it may cause dermatitis.

Eye contact:

Tearing, burning, redness.

Ingestion:

It causes irritation of the throat mucosa, esophagus and stomach; gastroenterological problems, nausea. If it enters the lungs, it can damage the lungs.

Inhalation:

Headaches and dizziness - loss of consciousness in high concentrations. A feeling of heaviness in the chest, fatigue, disorientation. Long-term and repeated exposure may cause temporary damage to the kidneys and liver. In severe cases, the possibility of developing pneumonia.

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

Physician makes a decision regarding further medical treatment after thorough examination of the injured.

Section 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide, dry extinguishing powders, extinguishing foam.

Unsuitable extinguishing media:

A steady stream of water.

5.2. Special hazards arising from the substance or mixture

Remove all sources of ignition. Highly flammable liquid and vapour. May form flammable/explosive vapour/air mixtures. After entering a confined space where there is a risk of exposure to vapours and combustion products must obtain a breathing apparatus with independent air circulation and complete personal protective equipment. Danger of bursting and explosion.

5.3. Advice for firefighters

Do not intervene without suitable protective equipment. Use self-contained breathing apparatus. Use complete protective clothing. Be careful extinguishing chemical products. Avoid contamination of the environment with water used to extinguish the fire. Containers, which are located near the fire should be removed or cooled with water spray. Danger of bursting and explosion.

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Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ventilate spill area, provide good ventilation. Use protective clothing. Use protective glasses. Evacuate people from danger zone. Avoid contact with skin and eyes. Avoid breathing vapours.

For emergency responders

Ventilate spill area. Use protective clothing. Use protective glasses. Avoid contact with skin and eyes. Avoid breathing vapours. Avoid the formation of flammable air-vapor mixtures by ensuring good ventilation and the use of an inerting agent. Dispose of all sources of ignition. Eliminate static electricity by providing grounding and interconnection of all conductive surfaces, which can be a source of electrostatic discharges.

6.2. Environmental precautions

Avoid discharge to the environment – surface water, groundwater and sewage system.

6.3. Methods and material for containment and cleaning up

Collect any spilled fluid with an absorbent material, for example clay or diatomaceous earth. Do not use flammable materials (sawdust) to collect a spill. Dispose of absorbent materials and residues in an authorized facility in accordance with national regulations. Clean contaminated area. Use clean, non-sparking tools to scoop up absorbed material. Clean clothes, tools and equipment after work. Do not discharge to sewage system.

6.4. Reference to other sections

Personal protection equipment – Section 8.
Waste disposal – Section 13.

Section 7. Handling and storage

7.1. Precautions for safe handling

Provide adequate ventilation. If ventilation is inadequate, initiate mechanical ventilation or exhaustion. Avoid contact with the product. Wash hands after handling the product. Do not smoke! Vapors are heavier than air and accumulate in the lower parts of rooms. Use proper grounding. Do not use sparking tools, avoid electrostatic discharges. Potentially explosive mixtures can form in partially empty tanks. The uncleaned packages should not be cut, drilled, ground, welded or performed nearby.

7.2. Conditions for safe storage, including any incompatibilities

The storage conditions:

Store containers tightly closed in dry and well-ventilated rooms. Away from heat sources, sparks and fire. Protect against direct sunlight. Do not smoke! Do not use sparking tools. Take precautionary measures against electrostatic discharge. Cool the tanks with water in case of fire hazard. Do not store together with combustible or inflammable materials.

7.3. Specific end use(s)

Apart from the uses mentioned in subsection 1.2 no other specific uses are stipulated.

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Section 8. Exposure controls/personal protection**8.1. Control parameters**• **Aceton – CAS 67-64-1**

		Regulatory Limits			Recommended Limits	
Chemical name	CAS	OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH 2019 TLV
		ppm	mg/m3	mg/m3	mg/m3	mg/m3
Acetone	13463-67-7	1000	2400	500 ppm (ST) 750 ppm (C) 3000 ppm	250 ppm	250 ppm (ST) 500 ppm

• **Acetone – CAS 67-64-1****DNEL/DMEL (workers)**

Long-term exposure – skin contact	186 mg/kg
Long-term exposure –inhalation	1210 mg/m3
Short-term exposure – ingestion	2420 mg/m3

DNEL/DMEL (Consuments)

Long-term exposure – skin contact	62 mg/kg
Long-term exposure –inhalation	200 mg/m3
Long-term exposure –ingestion	62 mg/kg

PNEC Aqua (fresh water)	10,6 mg/l
PNEC Aqua (sea water)	1,06 mg/l
PNEC Aqua (periodic table, fresh water)	21 mg/kg
PNEC Sediment (freshwater sediment)	30,4 mg/kg
PNEC Sediment (seawater sediment)	30,4 mg/kg
PNEC soil	29,5 mg/kg
PNEC STP	100 mg/L

LEGAL BASIS: COMMISSION DIRECTIVES 2000/39/EC, 2006/15/EC, 2009/161/EC, 2017/164/EC, 2019/1931/EC

8.2. Exposure control**Appropriate engineering controls:**

To identify the additional Personal Protective Equipment (PPE) required, it is recommended that a hazard assessment be performed in accordance with OSH PPE (29 CFR 1910.132) or European Standard EN 166 before handling the product.

Good hygiene practices are recommended when working with chemicals. These practices include, but are not limited to, washing hands after removing gloves, at the end of the shift, before taking breaks, and especially after product contamination has occurred.

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Hand and body protection:

Use protective gloves, resistant for solvents (butyl are recommended) and work clothes. Before gloves using, it is important to check a tightness. Thickness of gloves $\geq 0,7$ mm. The exact break through time should be obtained from the glove manufacturer and must be observed.

Eye/face protection:

Avoid contact with eyes by wearing tightly closed protective glasses.

Respiratory protection:

If mechanical ventilation is not sufficient, use respiratory protection in accordance with the OSHA regulations for breathing apparatus (29 CFR 1910.134) or the European standard EN 149. In justified cases, it is recommended to use protective masks with absorbers of organic vapor.

Thermal hazards:

Not identified.

Environmental exposure controls:

Avoid discharge to the environment - surface waters, groundwater and sewage system.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Transparent to yellow
Odour	Characteristic
Melting point/freezing point	-95 °C
Boiling point Or initial boiling point and boiling range	56 °C
Flammability	High flammable liquid.
Lower and Upper explosion limits	No data available.
Flash point	-17 °C
Auto-ignition temperature	No data available.
Decomposition temperature	538 °C
pH	No data available.
Kinematic viscosity	20 °C: 0,41 cSt
Solubility	No data available.
Partition coefficient n-octanol/water (log value)	No data available.
Vapour pressure	20 °C: 24439 Pa 50 °C: 81233 Pa
Density and/Or relative density	20°C: 791 kg/m ³
Relative vapour density	No data available.
Particle characteristics (Only apply to solids)	No data available.

9.2. Other information

Information with regard to physical hazard classes:

No additional test results.

Other safety characteristics

No additional information available.

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Section 10. Stability and reactivity

10.1. Reactivity

The product is not reactive under normal condition of transport and storage.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Vapours may occur flammable/explosive mixtures with the air.

10.4. Conditions to avoid

Keep away from sources of heat and ignitron. Avoid high temperature.

10.5. Incompatible materials

Will damage many plastic and rubber materials. Condensation may occur upon contact with barium hydroxide, sodium hydroxide and many other alkaline substances. Avoid contact with peroxides and other polymerization initiators, oxidizing substances such as: nitric acid, perchloric acid, chromium oxide, silica gel, strong acids and amines..

10.6. Hazardous decomposition products

No additional information available.

Section 11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity of mixture: Not Classified

Acute toxicity of components:

- **Acetone – CAS 67-64-1**

Ingestion

LD₅₀ 5800 mg/kg (rat)

Skin contact

LD₅₀ 20000 mg/kg (rat)

Inhalation

LC₅₀ 76 mg/l/4h

Toxicity for humans

- > 300 ppm Inhalation of the vapors may cause a slight irritation of the mucosa
- > 800 ppm Time of exposure to vapors 60 minutes, symptoms of poisoning
(1930mg/l)
- > 4000 ppm Time of exposure to vapors: 60 minutes, severe poisoning
(9,659 mg/l)

Skin corrosion/irritation:

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation:

Causes eye irritation.

Respiratory or skin sensitisation:

Repeated exposure may cause skin dryness or cracking.

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Germ cell mutagenicity:

Not Classified

Carcinogenicity:

Not Classified

Reproductive toxicity:

Not Classified

STOT-single exposure:

May cause drowsiness or dizziness.

STOT-repeated exposure:

Not Classified

Aspiration hazard:

May cause drowsiness or dizziness.

11.2. Information on other hazards

Endocrine disrupting properties

Substances in product do not have endocrine disrupting properties.

Other information

No additional information available.

Section 12. Ecological informations

12.1. Toxicity

Toxicity of components:

- **Acetone – CAS 67-64-1**

Fishes

LC₅₀

LC₅₀>5540 mg/l/96h (*Oncorhynchus mykiss*)

Invertebrates

EC₅₀

LC₅₀ 23,5 mg/l (48h) (*Daphnia magna*)

Algae

EC₅₀

3400 mg/l (48h) (*Chlorella pyrenoidosa*)

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vBvP assessment

According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (Persistent / bioaccumulative / toxic) and vPvB (very persistent / very bioaccumulative).

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12.6. Endocrine disrupting properties

Substances in product do not have endocrine disrupting properties.

12.7. Other adverse effects

No additional information available.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products:

Store the remains in original containers. Must be disposed of in accordance with local regulations.

Contaminated packaging:

Do not dispose of the product together with municipal waste, do not empty into the sewage system. Do not allow contamination of groundwater. Burn in a chemical incinerator equipped with an afterburner and scrubber, special care should be taken when burning; highly flammable material.

The packaging, emptied of the remains of the product are a fire hazard. May contain remains of the product and high flammable vapours. May explode during contact with an ignition source. Do not cut, drill or weld near to containers. Used containers should be sent to an appropriate landfill or for incineration in accordance with applicable regulations.

DIRECTIVE 2008/98/EC

Section 14. Transport information

14.1. UN number or ID number

UN 1090

14.2. UN proper shipping name

ACETONE

14.3. Transport hazard class(es)

ADR/RID:
3

IMDG:
Not applicable.

IATA:
Not applicable.

14.4. Packing group

ADR/RID:
II

IMDG:
Not applicable.

IATA:
Not applicable.

14.5. Environmental hazards

Any reject of this product must be avoided.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

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Section 15. Regulatory information

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

1. 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
2. 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
3. Commission regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
4. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
5. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
6. Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
7. Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
8. Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU
9. European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)
10. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives
11. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste
12. Commission regulation (EC) No 552/2009 of 22 June 2009 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annex XVII
13. Regulation (eu) 2016/425 of the european parliament and of the council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

15.2. Chemical safety assessment

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) it is not necessary to carry out a chemical safety assessment for the mixture.

Section 16. Other informations

Full text of H-phrases mentioned in section 3:

H319	Causes serious eye irritation.
H225	High flammable liquid and vapours.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

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Clarifications of aberrations and acronyms:

Flam Liq. 2	High flammable liquid and vapours, category 2.
Skin Irrit. 2	Skin irritation category 2
Skin Sens. 1	Skin sensitisation, category 1.
Eye Irrit. 2	Eye irritation, category 2.
STOT SE 3	Specific target organ toxicity – single exposure, category 3, respiratory tract irritation.
STOT RE 2	Specific target organ toxicity – repeated exposure, category 2.
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic hazard, category 2.
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic hazard, category 3.
CLP	Classification, Labelling and Packaging
REACH	<i>Registration, Evaluation, Authorisation and Restriction of Chemicals</i>
CAS No	<i>Chemical Abstracts Service</i> number
EC Number	European Chemical number: EINECS, ELINCS or NLP
EINECS	<i>European Inventory of Existing Chemical Substances</i>
ELINCS	<i>European List of Notified Chemical Substances</i>
NLP	<i>„No-longer polymers“</i>
PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
ADR	The European Agreement concerning the International Carriage of Dangerous Goods by Road
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
IMDG	<i>International Maritime Dangerous Goods Code</i>
IATA	<i>International Air Transport Association</i>
OSHA	European Agency for Safety and Health at Work, EU-OSHA
PEL	Permissible exposure limit

Literature references and data sources:

SDS from the different suppliers of the components.

Procedure used to derive classification according to Regulation (EC) No. 1272/2008:

Calculation method.

Revision:

Section 1–16: general revision of SDS, according to COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Trainings:

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

Disclaimer:

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- Inform his employees, agents and sub-contractors of information contained in this form.
- Supply one copy of this form to each one of his own Customers for this product.
- Ask for these same Customers to inform in turn their own Employees and Customers.

This SDS annulate and replaces all previous versions.

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