

Thinner for Plastic 1 Liter / 5 Liter

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

1.1 - Product identifier

Trade name/designation	Thinner for Plastic 1 Liter / 5 Liter
Chemical name	n-butyl acetate
Product-type	Mixture
Product code	Item number: 775.L01 / 775.L05
UFI:	9020-T0NF-M00T-16NQ

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

Relevant identified uses	- Solvent
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1.3 - Details of the supplier of the safety data sheet

ECS Cleaning Solutions GmbH
Wolfener Str. 32-34
D-12681 Berlin Germany
Telephone : +49 (0)30 / 36 46 40 36

1.4 - Emergency telephone number

ORFILA (INERIS) (France)

Tel. No.: +33 (0) 1 45 42 59 59

Poisoning Information Centre (Estonia)

Tel. No.: +372 794 3794 (or 16662 national)

Health Toxicological Information Service (Hungary)

Tel. No.: +36 80 20 11 99

National Poisons Information Centre (NVIC) (Netherlands)

Tel. No.: +31 (0) 30 274 8888

Swedish Poisons Information Centre (Sweden)

Tel. No.: +46 08 331231

Health and Safety Executive (HSE) (United Kingdom)

Tel. No.: +44 0151 922 9235

Poison Control Center, Charité - Universitätsmedizin Berlin, Hindenburgdamm 30, 12203 Berlin (Germany)

Tel. No.: +4930 30686700

Toxicological Information Centre (Czech Republic)

Tel. No.: +420 224 919 293 / +420 224 915 402

National Toxicological Information Centre (NTIC) (Slovakia)

Tel. No.: +421 2 5477 4166

Emergency telephone number (Poland)

Tel. No.: 112

CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA (Roma, Italy)

Tel. No.: +39 06 68593726

Az. Osp. Univ. Foggia (Foggia, Italy)

Tel. No.: +39 800183459

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Az. Osp. "A. Cardarelli"(Napoli, Italy)
Tel. No.: +39 081-5453333

CAV Policlinico "Umberto I" (Roma, Italy)
Tel. No.: +39 06 49978000

CAV Policlinico "A. Gemelli" (Roma, Italy)
Tel. No.: +39 06 3054343

Az. Osp. "Careggi" U.O. Tossicologia Medica (Firenze, Italy)
Tel. No.: +39 055 7947819

CAV Centro Nazionale di Informazione Tossicologica (Pavia, Italy)
Tel. No.: +39 0382 24444

Osp. Niguarda Ca' Granda (Milano, Italy)
Tel. No.: +39 02 66101029

Azienda Ospedaliera Papa Giovanni XXII (Bergamo, Italy)
Tel. No.: +39 800883300

Azienda Ospedaliera Integrata Verona (Verona, Italy)
Tel. No.: +39 800011858

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Flam. Liq. 3	Flammable liquid and vapour. - Category 3
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

2.2 - Label elements

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

Contains: n-butyl acetate (CAS No.: 123-86-4)

Signal word : Warning

Hazard pictograms



Hazard statements

H226	Flammable liquid and vapour
H336	May cause drowsiness or dizziness

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.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/a doctor if you feel unwell.

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P370+P378	In case of fire: Use Carbon dioxide (CO ₂)/extinguishing powder for extinction.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to industrial incineration plant in accordance with local/regional/national/international regulation.

EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking
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2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

vPvB-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
n-butyl acetate	CAS No. : 123-86-4 Index No. : 607-025-00-1 EC No. : 204-658-1	99 - 100	Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - No special measures are necessary.
- Provide fresh air.

Following skin contact - Wash immediately with: Water
- When in doubt or if symptoms are observed, get medical advice.

After eye contact - Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion - Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - No information available.

Symptoms and effects - After ingestion - No information available.

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

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SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media

- Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- No information available.

Hazardous decomposition products

- No information available.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Provide adequate ventilation.
- Remove all sources of ignition.

For emergency responders

- No information available.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- It is recommended to design all work processes always so that the following is excluded: Generation/formation of dust

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- It is recommended to design all work processes always so that the following is excluded: generation/formation of aerosols

- Vapours can form explosive mixtures with air.
- When using do not smoke.
- Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
- Use only in well-ventilated areas.

Advices on general occupational hygiene

- No information available.

7.2 - Conditions for safe storage, including any incompatibilities

- Storage class Flammable liquids
- Keep container tightly closed and in a well-ventilated place.
- Do not store together with: Combustible substance
- Protect against: Heat

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

n-butyl acetate (123-86-4)	
IOELV TWA mg/m ³ (UE)	241 mg/m ³
IOELV TWA ppm (UE)	50 ppm
IOELV STEL mg/m ³ (UE)	600 mg/m ³
IOELV STEL ppm (UE)	150 ppm
IOELV TWA mg/m ³ (UE)	241 mg/m ³
IOELV TWA ppm (UE)	50 ppm
IOELV STEL mg/m ³ (UE)	723 mg/m ³
IOELV STEL ppm (UE)	150 ppm

DNEL / PNEC

n-butyl acetate (123-86-4)			
Type	Value	User	Effect
DNEL acute inhalative	600 mg/m ³	Workers	Local
DNEL acute inhalative	600 mg/m ³	Workers	Systemic
DNEL long-term inhalative	300 mg/m ³	Workers	Systemic
DNEL long-term inhalative	300 mg/m ³	Workers	Local
PNEC aquatic, freshwater	0.18 mg/l		
PNEC aquatic, marine water	0.018 mg/l		
PNEC aquatic, intermittent release	0.36 mg/l		
PNEC sediment, freshwater	0.981 mg/kg		
PNEC sediment, marine water	0.0981 mg/kg		
PNEC sewage treatment plant (STP)	35.6 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

- Eye glasses with side protection
- Wear suitable gloves.

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- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
- Suitable material: NBR (Nitrile rubber)
- Respiratory protection necessary at: insufficient ventilation

Environmental exposure controls

- Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	<u>Liquid</u>	<u>Appearance</u>	<u>Liquid</u>
<u>Colour</u>	colourless	<u>Odour</u>	fruity
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		-90 °C	
Boiling point		126.2 °C	
Flash point		27 °C	
Evaporation rate		1	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		10.15 hPa	
Vapour density		No data available	
Relative density		No data available	
Density		0.881 g/cm ³	
Solubility (Water)		5.3 g/l	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		2.3	
Auto-ignition temperature		415 °C	
Decomposition temperature		No data available	
Kinematic viscosity		0.831 mm ² /s	
Dynamic viscosity		No data available	

Particle characteristics

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Particle size	No data available
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9.2 - Other information

VOC content	100 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- In case of warming: Ignition hazard

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- No information available.

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

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<u>Carcinogenicity</u>	- Not classified
<u>Reproductive toxicity</u>	- Not classified
<u>STOT-single exposure</u>	- STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness
<u>STOT-repeated exposure</u>	- Not classified
<u>Aspiration hazard</u>	- Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	18 mg/l
ErC50 algae	335 mg/l
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	2.3

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

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SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

<u>UN number (ADR)</u>	:	UN1123
<u>UN number (RID)</u>	:	UN1123
<u>UN number (ADN)</u>	:	UN1123
<u>UN number (IMDG)</u>	:	UN1123
<u>UN number (IATA)</u>	:	UN1123

14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	BUTYL ACETATES (n-butyl acetate)
<u>UN proper shipping name (RID)</u>	:	BUTYL ACETATES (n-butyl acetate)
<u>UN proper shipping name (ADN)</u>	:	BUTYL ACETATES (n-butyl acetate)
<u>UN proper shipping name (IMDG)</u>	:	BUTYL ACETATES (n-butyl acetate)
<u>UN proper shipping name (IATA)</u>	:	BUTYL ACETATES (n-butyl acetate)

14.3 - Transport hazard class(es)

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ADR Transport hazard class(es) : 3
ADR Classification code: : F1
Pictograms



Transport hazard class(es) (RID) : 3
Pictograms



Transport hazard class(es) (ADN) : 3
Pictograms



Transport hazard class(es) (IMDG) : 3
Pictograms



Transport hazard class(es) (IATA) : 3
Pictograms



14.4 - Packing group

Packing group : III
Packing group (RID) : III
Packing group (ADN) : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5 - Environmental hazards

Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user

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ADR

<u>ADR Classification code:</u>	:	F1
<u>ADR Special provisions</u>	:	
<u>ADR Limited quantity (LQ)</u>	:	5L
<u>ADR Excepted quantities</u>	:	E1
<u>ADR Packing instructions</u>	:	P001 IBC03 LP01 R001
<u>ADR Special packing provisions</u>	:	
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T2
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1
<u>ADR tank code</u>	:	LGBF
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	FL
<u>ADR Transport category</u>	:	3
<u>ADR Tunnel restriction code</u>	:	D/E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	V12
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	S2
<u>ADR Hazard identification number (Kemler No.)</u>	:	30

RID

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

ADN

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

IMDG

<u>Special provisions</u>	:	223
<u>Limited quantity (LQ)</u>	:	5 L
<u>Excepted quantities</u>	:	E1
<u>Packing instructions</u>	:	P001 LP01
<u>Special packing provisions</u>	:	
<u>IBC instruction(s)</u>	:	IBC03
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T2
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1
<u>EmS codes</u>	:	F-E, S-D
<u>Stowage and handling</u>	:	Category A
<u>Segregation</u>	:	
<u>Properties and observations</u>	:	Colourless liquids with a pineapple-like odour. Immiscible with water. normal-BUTYL ACETATE: flashpoint 27°C c.c. Explosive limits: 1.5% to 15%

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IATA

PCA - Excepted quantities	:	E1
PCA - Limited Quantity - Packing Instructions	:	Y344
PCA - Limited Quantity - Maximum Net Quantity per Package	:	10L
PCA - Packing Instructions	:	355
PCA - Maximum Net Quantity per Package	:	60L
CAO - Packing Instructions	:	366
CAO - Maximum Net Quantity per Package	:	220L
Special Provisions	:	A3
ERG Code	:	3L

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 100 %

Community safety, health and environmental provisions, national laws

National regulations (Austria)
Ordinance on combustible liquids (VbF) - VbF (group and hazard class)
All (combustible liquids of group A, hazard class II)

National regulations (Germany)
Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen
(Ordinance on facilities for handling substances hazardous to water) (AwSV)
Wassergefährdungsklasse, WGK 1 slightly hazardous to water
Index number 42

National regulations Switzerland
Ordinance on the incentive tax on volatile organic compounds (VOCV)
VOC content (object of taxation): 100 %
2915.33 (n-butyl acetate)

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	6/15/2022		

Texts of the regulatory sentences

Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H226	Flammable liquid and vapour
H336	May cause drowsiness or dizziness
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)



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