EU safety data sheet

Trade name: Plastic
Product no.: L21
Current version : 3.4.0, issued: 07.07.2021 **Replaced version:** 3.3.0, issued: 04.03.2021 **Region:** GB

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

1.1 Product identifier

Trade name

Plastic

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

Relevant identified uses of the substance or mixture
Clear lacquer for insulation and sealing.

Uses advised against
No data available.

1.3 Details of the supplier of the safety data sheet

Address
BBC Cellpack GmbH
Carl-Zeiss-Strasse 20
79761 Waldshut-Tiengen

Telephone no. +49 (0)7741 6007-0
Fax no. +49 (0)7741 64989
e-mail electrical.products@cellpack.com

Information provided by / telephone
+49 (0)7741 6007-0

Advice on Safety Data Sheet
msds@cellpack.com

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)
Aerosol 1; H222
Eye Irrit. 2; H319
STOT SE 3; H336

Classification information
This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:
Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP
Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

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

Hazard pictograms


GHS02


GHS07

Signal word
Danger

Hazardous component(s) to be indicated on label:
n-butyl acetate

Hazard statement(s)

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Hazard statements (EU)

EUH066	Repeated exposure may cause skin dryness or cracking.

Precautionary statement(s)

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.
P271	Use only outdoors or in a well-ventilated area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container to hazardous or special waste collection point.

Supplemental label elements
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Keep out of the reach of children.

2.3 Other hazards
During and after use possible formation of combustible mixture with solvents.

SECTION 3: Composition/information on ingredients

3.1 Substances
Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization
Mixture of the following substances, containing non-hazardous substances:

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	**n-butyl acetate**			
	123-86-4 204-658-1 607-025-00-1 -	EUH066 Flam. Liq. 3; H226 STOT SE 3; H336	>= 25.00 - < 50.00	wt%
2	**butane**			
	106-97-8 203-448-7 601-004-00-0 -	Flam. Gas 1A; H220 Press. Gas; H280	>= 10.00 - < 25.00	wt%
3	**acetone**			
	67-64-1 200-662-2 606-001-00-8 -	EUH066 Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	>= 10.00 - < 25.00	wt%

4	**1-methoxy-2-propanol**			
	107-98-2 203-539-1 603-064-00-3 01-2119457435-35	Flam. Liq. 3; H226 STOT SE 3; H336	>= 10.00 - < 25.00	wt%
5	**propane**			
	74-98-6 200-827-9 601-003-00-5 -	Flam. Gas 1A; H220 Press. Gas	>= 1.50 - < 10.00	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	C, U	-	-	-
5	U	-	-	-

Full text for the notes: pls. see section 16 “Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)”.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
In all cases of doubt, or when sickness symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Remove soiled or soaked clothing immediately.

After inhalation
Remove to fresh air, keep patient warm and at rest. Irregular breathing/no breathing: artificial respiration. If unconscious place in recovery position and seek medical advice.

After skin contact
Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

After eye contact
Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

After ingestion
Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person. Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed
No data available.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Carbon dioxide; Extinguishing powder; Foam

Unsuitable extinguishing media
High power water jet

5.2 Special hazards arising from the substance or mixture
Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Exposure to heat may cause bursting of the aerosol packagings.

5.3 Advice for firefighters
When extinguishing fires, use breathing apparatus with an independent source of air. Cool endangered containers

with water in case of fire. DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Exclude sources of ignition and ventilate the area. Do not inhale vapours. Refer to protective measures listed in sections 7 and 8.

For emergency responders
No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not allow to enter drains. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Comply with the health and safety at work laws.

General protective and hygiene measures
Do not eat or drink during work - no smoking. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Avoid contact with eyes and skin.

Advice on protection against fire and explosion
Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions
Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place.

Recommended storage temperature

Value	<	50	°C

Requirements for storage rooms and vessels
Storage rooms must be properly ventilated.

Incompatible products
Do not store together with: oxidizing substances; spontaneously combusting substances; oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.		EC no.	
1	**n-butyl acetate**	**123-86-4**		**204-658-1**	
	List of approved workplace exposure limits (WELs) / EH40				
	Butyl acetate				
	WEL short-term (15 min reference period)	966	mg/m³	200	ppm
	WEL long-term (8-hr TWA reference period)	724	mg/m³	150	ppm
	EU 2019/1831				
	n-Butyl acetate				
	WEL short-term (15 min reference period)	723	mg/m³	150	ppm
	WEL long-term (8-hr TWA reference period)	241	mg/m³	50	ppm
2	**butane**	**106-97-8**		**203-448-7**	
	List of approved workplace exposure limits (WELs) / EH40				
	Butane				
	WEL short-term (15 min reference period)	1810	mg/m³	750	ppm
	WEL long-term (8-hr TWA reference period)	1450	mg/m³	600	ppm
	Comments	Carc, (only applies if Butane contains more than 0.1% of buta-1,3-diene)			
3	**acetone**	**67-64-1**		**200-662-2**	
	2000/39/EC				
	Acetone				
	WEL long-term (8-hr TWA reference period)	1210	mg/m³	500	ppm
	List of approved workplace exposure limits (WELs) / EH40				
	Acetone				
	WEL short-term (15 min reference period)	3620	mg/m³	1500	ppm
	WEL long-term (8-hr TWA reference period)	1210	mg/m³	500	ppm
4	**1-methoxy-2-propanol**	**107-98-2**		**203-539-1**	
	2000/39/EC				
	1-Methoxypropanol-2				
	WEL short-term (15 min reference period)	568	mg/m³	150	ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m³	100	ppm
	Skin resorption / sensibilisation	Skin			
	List of approved workplace exposure limits (WELs) / EH40				
	1-Methoxypropan-2-ol				
	WEL short-term (15 min reference period)	560	mg/m³	150	ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m³	100	ppm
	Comments	Sk			

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	**Exposure time**	**Effect**	**Value**	
1	**1-methoxy-2-propanol**			**107-98-2 203-539-1**	
	dermal	Long term (chronic)	systemic	183	mg/kg/day
	inhalative	Long term (chronic)	systemic	369	mg/m³
	inhalative	Short term (acut)	local	553.5	mg/m³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	**Exposure time**	**Effect**	**Value**	
1	**1-methoxy-2-propanol**			**107-98-2 203-539-1**	
	oral	Long term (chronic)	systemic	33	mg/kg/day
	dermal	Long term (chronic)	systemic	78	mg/kg/day
	inhalative	Long term (chronic)	systemic	43.9	mg/m³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	**1-methoxy-2-propanol**		**107-98-2** **203-539-1**	
	water	fresh water	10	mg/L
	water	marine water	1	mg/L
	water	Aqua intermittent	100	mg/L
	water	fresh water sediment	52.3	mg/kg
	with reference to: dry weight			
	water	marine water sediment	5.2	mg/kg
	with reference to: dry weight			
	soil	-	4.59	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	100	mg/L

8.2 Exposure controls

Appropriate engineering controls
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection
If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators: Use half-mask model with cartridge or air-fed. Recommendation: gas filter AX, code colour: brown

Eye / face protection
Tightly fitting safety glasses (EN 166).

Hand protection
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.
Appropriate Material butyl rubber

Other
Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation
liquid

Form/Colour
Aerosol
colourless

Odour
characteristic

pH value
No data available

Boiling point / boiling range			
Value		-0.5	°C

Melting point/freezing point
No data available

Decomposition temperature
No data available

Flash point			
Value	<	0	°C

Ignition temperature		
Value	270	°C

Flammability
No data available

Lower explosion limit		
Value	1.4	% vol

Upper explosion limit		
Value	14.3	% vol

Vapour pressure		
Value	2100	hPa
Reference temperature	20	°C
Value	4900	hPa
Reference temperature	50	°C

Relative vapour density
No data available

Relative density
No data available

Density		
Value	0.88	g/cm³
Reference temperature	20	°C

Solubility in water	
Comments	insoluble

Solubility
No data available

Partition coefficient n-octanol/water (log value)
No data available

Viscosity
No data available

Particle characteristics
No data available

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability
No data available.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Stable under recommended storage and handling conditions(See section 7). Protect from heat and direct sunlight.

10.5 Incompatible materials
oxidizing substances; spontaneously combusting substances

10.6 Hazardous decomposition products
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

SECTION 11: Toxicological information

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

Acute oral toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**1-methoxy-2-propanol**	**107-98-2**		**203-539-1**
LD50		4016		mg/kg bodyweight
Species	rat			
Method	EC 440/2008, B.1			
Source	ECHA			

Acute dermal toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**1-methoxy-2-propanol**	**107-98-2**		**203-539-1**
LD50	>	2000		mg/kg bodyweight
Species	rat			
Method	440/2008/EC B.3.			
Source	ECHA			

Acute inhalational toxicity
No data available

Skin corrosion/irritation		
No	**Substance name**	**CAS no.**	**EC no.**
1	**1-methoxy-2-propanol**	**107-98-2**	**203-539-1**
Species	rabbit	
Method	EC 440/2008, B.4	
Source	ECHA	
Evaluation	non-irritant	

Serious eye damage/irritation		
No	**Substance name**	**CAS no.**	**EC no.**
1	**1-methoxy-2-propanol**	**107-98-2**	**203-539-1**
Species	rabbit	
Method	2004/73/EEC, B.5	
Source	ECHA	
Evaluation	non-irritant	

Respiratory or skin sensitisation		
No	**Substance name**	**CAS no.**	**EC no.**
1	**1-methoxy-2-propanol**	**107-98-2**	**203-539-1**
Route of exposure	Skin	
Species	guinea pig	

Method	440/2008/EC B.6
Source	ECHA
Evaluation	non-sensitizing

Germ cell mutagenicity
No data available

Reproduction toxicity
No data available

Carcinogenicity
No data available

STOT - single exposure
No data available

STOT - repeated exposure
No data available

Aspiration hazard
No data available

11.2 Information on other hazards

Endocrine disrupting properties
No data available.

Other information
No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)
No data available

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)
No data available

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)
No data available

Toxicity to algae (chronic)
No data available

Bacteria toxicity
No data available

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
No data available.

12.6 Endocrine disrupting properties
No data available.

12.7 Other adverse effects

Other adverse effects
Danger to drinking water if even extremely small quantities leak into the ground.

12.8 Other information

Other information
The product should not be allowed to enter drains or water courses.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste code	16 05 04*	gases in pressure containers (including halons) containing hazardous substances

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.
Hand over only completely emptied aerosol cans for valuable substance recovery!

Packaging

Waste code	15 01 04	metallic packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	2
Classification code	5F
UN number	UN1950
Proper shipping name	AEROSOLS
Tunnel restriction code	D
Label	2.1

14.2 Transport IMDG

Class	2
UN number	UN1950
Proper shipping name	AEROSOLS
EmS	F-D, S-U
Label	2.1
Comments	The outer packings (boxes or cartons) should comply with the Regulations of Packing Group II at least.

14.3 Transport ICAO-TI / IATA

Class	2.1
UN number	UN1950
Proper shipping name	Aerosols, flammable
Label	2.1
Comments	The outer packings (boxes or cartons) should comply with the Regulations of Packing Group II (IATA-Regulation 5.2 PI203).

14.4 Other information
No data available.

14.5 Environmental hazards
Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user
No data available.

14.7 Maritime transport in bulk according to IMO instruments
Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation
According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES	
The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances	
This product is subject to Part I of Annex I, risk category:	P3a

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)	
VOC-value	283 g/ container

Other regulations
Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment
No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:
Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.
Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

U	When put on the market gases have to be classified as ‘Gases under pressure’, in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

This information is based on our present knowledge and experience.
The safety data sheet describes products with a view to safety requirements.
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:
Alterations to the previous edition are marked in the left-hand margin.

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