

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 13-Oct-2020

Version 1

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

1.1. Product identifier

Product Name PC® 18 Adhesive

Safety data sheet number OCPC00036

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

Recommended Use • Adhesives

1.3. Details of the supplier of the safety data sheet

Supplier

Pittsburgh Corning Europe
Albertkade 1
3980 - Tessenderlo, Belgium

E-mail address SDS.compliance@owenscorning.com

Company Website www.foamglas.com

Telephone number T +32 (0)13 661 721, F +32 (0)13 667 854

1.4. Emergency telephone number

Emergency Telephone +32 (0)13 661 721 (only during business hours)

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Austria	Vergiftungsinformationszentrale (Poisons Information Centre) +43 1 406 43 43
Belgium	Centre Anti-Poisons/Antigifcentrum/Giftnotrufzentralec/o Hôpital Central de la Base - Reine Astrid +32 70 245 245
Bulgaria	Национален токсикологичен информационен център (National Toxicological Information Centre) National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov" +359 2 9154 409
Croatia	Centar za kontrolu otrovanjaInstitut za medicinska istraživanja i medicinu rada +385 1 234 8342
Czech Republic	Toxikologické informační středisko +420 2 2491 9293/5402 +42 2 2491 5402
Denmark	GiftlinjenBispebjerg Hospital +45 82 12 12 12 +45 35 31 55 55
Finland	Myrkytystietokeskus +358 9 471 977
France	ORFILA Hôpital Fernand Widal +33 1 45 42 59 59
Germany	Giftnotruf der CharitéCharité-Universitätsmedizin - Campus Benjamin Franklin, Berlin +49 30 19240
Hungary	Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety)Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service) +36 80 20 11 99
Ireland	National Poisons Information CentreBeaumont Hospital +353 1 809 21 66 (public, 8am - 10pm, 7/7)+353 01 809 2566 (Professionals, 24/7)
Italy	Centro Antiveleni (Poisons Centre)Dipartimento di Tossicologia Clinica, Università Cattolica del Sacro Cuore +39 06 305 4343
Latvia	Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs. +371 67042473
Lithuania	Apsinuodijimų kontrolės ir informacijos biuras +370 5 236 20 52/ +370 687 53378 +370 687 53378

Netherlands	Nationaal Vergiftigingen Informatie Centrum (NVIC)NB Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen +31 30 274 88 88
Norway	GiftinformasjoneneGiftinformasjonssentralen (Helsedirektoratet) +47 22 591300
Poland	Informacji toksykologicznej (National Poisons Information Centre)The Nofer Institute of Occupational Medicine (Łódź) +48 42 63 14 724
Portugal	Centro de Informação AntivenenosInstituto Nacional de Emergência Médica (INEM) 808 250 143 (Para uso apenas em Portugal),+351 21 330 3284
Romania	Biroul RSI si Informare ToxicologicaApelabil intre orele 8:00 – 15:00 +40 21 318 36 06 (Apelabil intre orele 8:00-15:00)
Russia	Информационно-консультативный токсикологический центр Министерства здравоохранения Российской Федерации (RTIAC)Министерство здравоохранения Российской Федерации (Ministry of Health of the Russian Federation) +74 959 28 16 87 (русский)
Saudi Arabia	The Regional Poison Control Center, Dammam (DPCC) +966 55 388 0087
Slovakia	Národné toxikologické informačné centrum (National Toxicological Information Centre) (NTIC)University Hospital Bratislava +421 254 77 41 66
Slovenia	Poison CentreDivision of Internal Medicine + 386 41 650 500
Spain	Servicio de Información ToxicológicaInstituto Nacional de Toxicología y Ciencias Forenses +34 91 562 04 20
Sweden	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital +46 833 12 31 (International) 112 - begär Giftinformation (National)
Switzerland	Centre Suisse d'Information ToxicologiqueSwiss Toxicological Information Centre 145 / +41 442 51 51 51
Turkey	Toxicology Department and Poisons Centre Refik Saydam Central Institute of Hygiene 0 800 314 7900 (Turkey) only+90 0312 433 70 01
United Kingdom	National Poisons Information Service (Newcastle Centre)Regional Drugs and Therapeutics Centre, Wolfson Unit 0844 892 0111 (UK only, 24/7, healthcare professionals only)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification according to Regulation (EC) No. 1272/2008 (CLP)

Flammable liquids	Category 3 - (H226)
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2.2. Label elements

Label elements according to (EC) N°1272/2008 (CLP) as amended



Signal word

Warning

Hazard statements

H226 - Flammable liquid and vapor

Precautionary Statements

P102 - Keep out of reach of children
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 - Keep container tightly closed
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish
P403 + P235 - Store in a well-ventilated place. Keep cool
P501 - Dispose of contents/ container to an approved waste disposal plant
P101 - If medical advice is needed, have product container or label at hand

2.3. Other hazards

Other hazards

Vapours can form explosive mixtures with air

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
n-Butyl acetate	204-658-1	123-86-4	< 14	(EUH066) STOT SE 3 (H336) Flam. Liq. 3 (H226)	01-211948493-29

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	• If symptoms persist, call a physician • IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Skin contact	• Wash skin thoroughly with soap and water • Get medical attention if irritation develops and persists • Remove contaminated clothing and shoes
Eye contact	• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing • Call a physician if irritation persists
Ingestion	• Drink plenty of water • Do not induce vomiting without medical advice • IF SWALLOWED • Get medical attention • Rinse mouth with water (only if the person is conscious)
Self-protection of the first aider	• Remove all sources of ignition • Use personal protective equipment as required • First aider: Pay attention to self-protection

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

Symptoms	• May cause eye irritation • Prolonged or repeated skin contact may cause dermatitis • Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting • May cause lung damage if swallowed • Abdominal pain • Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting • Erythema (skin redness) • Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea
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4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

- Water spray (fog)
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder
- Dry chemical

Unsuitable extinguishing media

Use water spray or fog; do not use straight streams

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

Flammable. Keep product and empty container away from heat and sources of ignition. Not flammable.

Hazardous combustion products Carbon oxides. Vapors may form explosive mixtures with air. May emit toxic fumes under fire conditions.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Special protective equipment for fire-fighters. Cool drums with water spray. Evacuate personnel to safe areas. Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

- Remove all sources of ignition
- Evacuate personnel to safe areas
- Take precautionary measures against static discharges
- Ensure adequate ventilation, especially in confined areas
- Avoid contact with skin, eyes or clothing
- Use personal protective equipment as required
- All equipment used when handling the product must be grounded
- Use personal protections recommended in Section 8
- Stop leak if you can do it without risk
- Do not breathe vapor or mist

6.2. Environmental precautions

Environmental precautions

- Do not allow into any sewer, on the ground or into any body of water
- Local authorities should be advised if significant spillages cannot be contained

6.3. Methods and material for containment and cleaning up

Methods for containment

- Prevent further leakage or spillage if safe to do so

Methods for cleaning up

- Take up with inert, damp, non-combustible material using clean non-sparking tools and place into loosely covered plastic containers for later disposal
- Pick up and transfer to properly labeled containers
- Dispose of contaminated material as waste in accordance with federal state and local regulations.

6.4. Reference to other sections

Reference to other sections

- See section 8 for more information
- See section 13 for more information

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

- Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity)
- Take precautionary measures against static discharges
- Use spark-proof tools and explosion-proof equipment
- Avoid contact with skin, eyes or clothing
- Use personal protective equipment as required
- Ensure adequate ventilation, especially in confined areas
- All equipment used when handling the product must be grounded
- Do not breathe dust/fume/gas/mist/vapors/spray
- Remove all sources of ignition
- Use personal protections recommended in Section 8
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking

General Hygiene Considerations

- Wash hands before breaks and immediately after handling products
- Handle in accordance with good industrial hygiene and safety practice
- Take off all contaminated clothing and wash it before reuse
- Do not eat, drink or smoke when using this product

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- Keep containers tightly closed in a dry, cool and well-ventilated place
- Protect from sunlight
- Store in a secure, cool and well-ventilated storage area
- Combustible if there is an open flame.
- Do not store near incompatible materials (see Section 10)

Packaging materials

- Do not reuse empty containers
- Keep in properly labeled container

Incompatible materials

- Acids
- Bases
- Oxidizers

7.3. Specific end use(s)**Specific use(s)**

No particular end use has been identified to date.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Component	ACGIH	Australia	Austria	Belgium	Bulgaria
n-Butyl acetate 123-86-4 (< 14)	TWA 150ppm STEL 200ppm	150 ppm 713 mg/m ³ 200 ppm STEL 950 mg/m ³ STEL	TWA: 100 ppm TWA: 480 mg/m ³ STEL 100 ppm STEL 480 mg/m ³ Ceiling 100 ppm Ceiling 480 mg/m ³	50 ppm TWA; 238 mg/m ³ TWA STEL 150 ppm STEL 712 mg/m ³	STEL: 950 mg/m ³ TWA: 710 mg/m ³
Component	Croatia	Czech Republic	Denmark	Finland	France
n-Butyl acetate 123-86-4 (< 14)	TWA: 150 ppm TWA: 724 mg/m ³ STEL: 200 ppm STEL: 966 mg/m ³	TWA: 950 mg/m ³ Ceiling: 1200 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³	TWA: 150 ppm TWA: 720 mg/m ³ STEL: 200 ppm STEL: 960 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 940 mg/m ³
Component	Germany	Greece	Hungary	Ireland	Italy
n-Butyl acetate 123-86-4 (< 14)	TWA: 62 ppm TWA: 300 mg/m ³	TWA 150 ppm TWA 710 mg/m ³ STEL 200 ppm STEL 950 mg/m ³	TWA: 241 mg/m ³ STEL: 723 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³	
Component	Latvia	Lithuania	Netherlands	Norway	Poland
n-Butyl acetate 123-86-4 (< 14)	TWA: 200 mg/m ³				STEL: 720 mg/m ³ TWA: 240 mg/m ³
Component	Portugal	Romania	Russia	Slovakia	Slovenia
n-Butyl acetate 123-86-4 (< 14)	TWA: 150 ppm STEL: 200 ppm	TWA: 150 ppm TWA: 715 mg/m ³ STEL: 200 ppm	TWA: 50 mg/m ³ STEL: 200 mg/m ³	TWA: 100 ppm TWA: 500 mg/m ³	TWA: 300 mg/m ³ TWA: 62 ppm STEL: STEL ppm

Component	Spain	Sweden	Switzerland	United Kingdom	STEL: STEL mg/m ³
n-Butyl acetate 123-86-4 (< 14)	TWA: 150 ppm TWA: 724 mg/m ³ STEL: 200 ppm STEL: 965 mg/m ³	TLV: 100 ppm TLV: 500 mg/m ³ Indicative STEL: 150 ppm Indicative STEL: 700 mg/m ³	TWA: 100 ppm TWA: 480 mg/m ³ STEL: 200 ppm STEL: 960 mg/m ³	TWA: 150 ppm TWA: 724 mg/m ³ STEL: 200 ppm STEL: 966 mg/m ³	

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls • Organizational measures to prevent /limit releases, dispersion and exposure

Personal protective equipment

Eyeface protection

Hand Protection

Skin and body protection

Respiratory protection

- Wear safety glasses with side shields (or goggles) (EN166)
- Chemically resistant gloves (tested to EN374)
- Wear protective nitrile rubber gloves
- Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact
- In case of insufficient ventilation, wear suitable respiratory equipment
- Full face mask (EN 136), Half-face mask (DIN EN 140), Filter type A (EN 141)

Environmental exposure controls • No information available

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Paste
Color	Black
Odor	Characteristic.
Odor threshold	No information available

Property	Values	Remarks • Method
pH	No data available	None known
Melting point / freezing point at 1250 °C	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	37 °C	None known
Evaporation rate	Not applicable	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	None known
Density VALUE	No data available	None known
Relative density	1.2 kg/L	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	Not applicable	None known
Decomposition temperature	No data available	None known
Viscosity	Not determined	None known
Dynamic viscosity	No data available	
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

Softening point No information available

Molecular weight	No information available
VOC	170 g/L
Liquid Density	No information available
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	Flammable liquid and vapour
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10.2. Chemical stability

Stability	Stable under normal conditions.
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Explosion data

Sensitivity to Mechanical Impact	No.
Sensitivity to Static Discharge	Yes.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions • Hazardous reaction will not occur.

10.4. Conditions to avoid

Conditions to avoid	Heat, flames and sparks.
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10.5. Incompatible materials

Incompatible materials	• Acids • Bases • Oxidizers
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10.6. Hazardous decomposition products

Hazardous Decomposition Products Carbon oxides

Section 11: TOXICOLOGICAL INFORMATION

Product Information

Product does not present an acute toxicity hazard based on known or supplied information

Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Skin corrosion/irritation	Not applicable
Serious eye damage/eye irritation	Not applicable.
Sensitization	No information available
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Components Information

Chemical name	Oral LD50	LD50/dermal/rat - NO UNITS (Wizards mg/kg)	Inhalation LC50
n-Butyl acetate	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 0.74 mg/L (Rat) 4 h

Section 12: ECOLOGICAL INFORMATION**12.1. Toxicity****Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Crustacea
n-Butyl acetate	674.7: 72 h Desmodesmus subspicatus mg/L EC50	100: 96 h Lepomis macrochirus mg/L LC50 static 17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through	-

12.2. Persistence and degradability

No information available.

Chemical name	Biodegradation
n-Butyl acetate	83% (28 days)

12.3. Bioaccumulative potential

No information available.

Chemical name	Partition coefficient
n-Butyl acetate	1.81

12.4. Mobility in soil**Mobility in soil**

No information available.

Mobility**12.5. Results of PBT and vPvB assessment**

PBT and vPvB assessment No information available.

12.6. Other adverse effects

Other adverse effects No information available

Section 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Contaminated packaging • Disposal should be in accordance with applicable regional, national and local laws and regulations

Waste codes / waste designations • Waste codes should be assigned by the user based on the application for which the

according to EWC / AVV

product was used

- 08 04 09 - waste adhesives and sealants containing organic solvents or other dangerous substances

Section 14: TRANSPORT INFORMATION

IMDG

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	No
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	No

ADR

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	No

IATA

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	No

Section 15: REGULATORY INFORMATION

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

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
n-Butyl acetate 123-86-4	RG 84	-

Germany

Water hazard class (WGK) slightly hazardous to water (WGK 1)

TA Luft (German Air Pollution Control Regulation) Not applicable

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at

work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
n-Butyl acetate - 123-86-4	3. Liquid substances or mixtures which are regulated as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex 1 to Regulation (EC) No 1272/2008 3.a. Substances or mixtures fulfilling criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A-F 40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3 pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	

Ozone-depleting substances (ODS) Not applicable
regulation (EC) 1005/2009

15.2. Chemical safety assessment

Chemical Safety Report No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H336 - May cause drowsiness or dizziness
H226 - Flammable liquid and vapor
EUH066 - Repeated exposure may cause skin dryness or cracking

Legend

*	Skin designation	Ceiling	Maximum limit value
STEL	STEL (Short Term Exposure Limit)	TWA	TWA (time-weighted average)

Revision Date 13-Oct-2020

Revision Note Update of document format

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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End of Safety Data Sheet