

1.0 Identification of the substance/mixture and of the company**1.1 Product identifier**

Trade name: SCG 724

Index-No.: --

EG-No.: --

CAS-No.: --

REACH-Registry-No. of n-Butylacetate:

01-2119485493-29-0000

Other names:--

Use as solvent containing Sealant for professional Uses

1.2 Relevant identified uses of the substance or the mixture and uses advised against: Use as solvent containing Sealant by professional uses

1.3 Details of the supplier of the data sheet

Manufacturer / Supplier

Sealants International Ltd

Farndon Business Centre

Market Harborough

Leicestershire

LE16 9NP

Contact for technical Information

Sales@Sealants-int.com

Tel: 0044 1858 469936

Fax: 0044 1858 469917

1.4 Emergency Number (during working hours)

Tel: 0044 1858 469936

2. Hazards identification**2.1 Classification of the substance or mixture**

Classification according to Directive 67/548/EC or Directive 1999/45/EC

(Substances or Mixtures): Flammable R10

Classification according to Regulation 1272/2008/EU

Flame, Warning



Dangerous component contains : n-Butylacetate

Flammable Mixture category 3

2.2 Label elements

Directive 1999/45/EC (Mixtures)

R-Phrases

R 10 Flammable.

R 66 Repeated exposure may cause skin dryness or cracking

R 67 Vapours may cause drowsiness and dizziness

S-Phrases

23 do not breathe vapour

24/25 avoid contact with skin and eyes

35 this material and its container must be disposed of in a safe way

Regulation 1228/2008/EU

H-Phrases

H226: Flammable liquid and vapour

H336: May cause drowsiness and dizziness

EUH-Phrases

EUH066: Repeated exposure may cause skin dryness or cracking

Precautionary statements

P210: Keep away from sources of ignition - No smoking

P233: Keep container tightly closed

P235: Keep cool

P261: Avoid breathing gas/mist/vapours

P280: Wear protective gloves and eye/face protection

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312: Call a POISON CENTRE or doctor if you feel unwell

2.3 Other hazards

Vapours may form explosive mixture with air Components of the product may be absorbed into the body by inhalation

3. Composition/ information on ingredients

Mixture: Synthetic rubber (Polymer mixture) and helping substances with the following hazardous Substances

Substance: n-Butylacetate

EG-No.: 204-658-1 CAS-No. : 123-86-4 Index-No.:

REACH-Registry-Number.: 01-2119485493-29-0000

Share : 20-30 %

Classification according to Directive 67/548/EC: R 10-66-67

Classification according to Regulation (EU) Nr. 1272/2008: Flam. Liq. 3; H 226 STOT SE 3; H 336

EUH 066

PBT- and vPvB-Assessment: there is no substance in the mixture to be persistent,

bio accumulating nor toxic (PBT), nor very persistent nor very bio accumulating (vPvB)

(You find the text of the hazardous information in section 15)

4. First aid measures**4.1 Description of first aid measures**

Remove contaminated, soaked clothing immediately and dispose of safely.

First aider need to protect himself.

After Inhalation Keep at rest. Aerate with fresh air. When symptoms persist or in all cases of doubt seek medical advice

Skin Wash immediately with soap and plenty of water. When symptoms persist or in all cases of doubt seek medical advice

Eyes Rinse immediately with soap and plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Ingestion Call a physician immediately. Do not induce vomiting without medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Cough, nausea, vomiting, headache,

Lung oedema, central nervous system effects. Prolonged skin contact may defat the skin and produce dermatitis

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5. Fire-fighting measures

5.1 Suitable extinguishing media: Alcohol-resistant foam, powder, carbon dioxide, water spray

Extinguishing media which must not be used for safety reasons: Do not use a solid water stream as it may scatter and spread fire

5.2 Special hazards arising from the substance or mixture:

Can be released in case of fire: carbon monoxide and carbon dioxide

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus , like EN 133

6. Accidental release measures**6.1 Personal precautions**

Avoid contact with skin and eyes. Avoid breathing vapours or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition. For emergency responders: Personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage. Do not discharge product into the aquatic environment without pre-treatment (biological treatment plant).

6.3 Methods for containment

Stop the flow of material, if possible without risk. Dike spilled material, where this is possible.

Methods for cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Dispose of in accordance with local regulations. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

6.4 Reference to other sections: see also section 7 and 13

7. Handling and storage

7.1 Advice on safe handling

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
Provide sufficient air exchange and/or exhaust in work rooms.
Advice on protection against fire and explosion
Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). In case of fire, emergency cooling with water spray should be available. Ground and bond containers when transferring material. Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback. Vapours may form explosive mixture with air.
Advice on the protection of the environment
See Section 8: Environmental exposure controls.
Advice on general occupational hygiene
Do not eat, drink and smoke in work

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care.
Don't store above 60 °C
Advice on common storage
Incompatible products: strong acids and strong bases
strong oxidizing agents
Temperature class T 2

7.3 Specific end uses: solvent containing sealant for joints by professional use
See also Exposition scenario of the supplier to the containing solvent

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 Exposure Limits UK

Component:

n-Butylacetate TWA(mg/m³) TWA (ppm) STEL(mg/m³) STEL (ppm)

CAS 123-86-4 724 150 966 200

Note

For details and further information please refer to the original regulation.

8.1.2 DNEL- and PNEC- Data n-Butylacetate CAS 123-86-4

Worker

DN(M)EL - acute / short-term exposure - systemic effects - Inhalation 960 mg/m³

DN(M)EL - acute / short-term exposure - local effects - Inhalation 960 mg/m³

DN(M)EL - long-term exposure - systemic effects - Inhalation 480 mg/m³

DN(M)EL - long-term exposure - local effects - Inhalation 480 mg/m³

People

DN(M)EL - acute / short-term exposure - systemic effects - Inhalation 859,7 mg/m³

DN(M)EL - acute / short-term exposure - local effects - Inhalation 859,7 mg/m³

DN(M)EL - long-term exposure - systemic effects - Inhalation 102,34 mg/m³

DN(M)EL - long-term exposure - local effects - Inhalation 102,34 mg/m³

Environment

PNEC aqua - freshwater 0,18 mg/l

PNEC aqua - marine water 0,018 mg/l

PNEC aqua - intermittent releases 0,36 mg/l

PNEC STP 35,6 mg/l

PNEC sediment - freshwater 0,981 mg/kg

PNEC sediment - marine water 0,0981 mg/l

PNEC soil 0,0903 mg/kg

Data by supplier of n-Butylacetate

Exposure limits European Union: for n-Butylacetate are no exposure limits established

8.2 Occupational exposure controls

8.2.1 Engineering measures

General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred.
Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.

8.2.2. Personal protective equipment

General industrial hygiene practice

Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Ensure that eyewash stations and safety showers are close to the workstation location.

Hygiene measures

When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product.

Respiratory protection

Respirator with A filter. Full mask with above mentioned filter according to producers using requirements or self-contained breathing apparatus.

Equipment should conform to EN 136 or EN 140 and EN 143.

Hand protection

Wear protective gloves. Recommendations are listed below. Other protective material may be used, depending on the situation, if adequate degradation and permeation data is available. If other chemicals are used in conjunction with this chemical, material selection should be based on protection for all chemicals present.

Suitable material butyl-rubber

Evaluation according to EN 374, level 3

Glove thickness approx. 0,3 mm

Break through time approx. 60 min

Suitable material polyvinylchloride /nitrile rubber

Evaluation according to EN 374, level 2

Glove thickness approx. 0,9 mm

Break through time approx. 30 min

Eye protection

Tightly fitting safety goggles. In addition to goggles, wear a face shield if there is a reasonable chance for splash to the face. Equipment should conform to EN 166.

Skin and body protection

Impervious clothing. Wear face-shield and protective suit for abnormal processing problems.

Note: the information to protection according to the dangerous substance n-Butylacetate

8.2.3 Environmental exposure controls

If possible use in closed systems. If leakage cannot be prevented, the substance needs to be sucked off at the emission point, if possible without danger. Observe the exposure limits, clean exhaust air if needed. If recycling is not practicable, dispose of in compliance with local regulations. Inform the responsible authorities in case of leakage into the atmosphere, or of entry into waterways, soil or drains

9. Physical and Chemical properties

9.1 Information on basic physical and chemical properties

Appearance - Aggregate state: paste. polymer, containing a solvent - colour : transparent and coloured
 Odour : like Butylacetate
 Odour threshold : 7-20 ppm (n-Butylacetate)
 pH-value : 6,2 (n-Butylacetate data of supplier)
 Melting point : Not applicable
 Boiling point and boiling range: 126 °C (solvent n-Butylacetate)

Flashpoint : 27 °C solvent n-Butylacetate)

Evaporating rate : Not applicable

Flammability (solid, gas): No data

Upper/lower flammability ore explosive limits:

1,2 % (lower limit n-Butylacetate)

7,5 % (upper limit n-Butylacetate)

Vapour pressure: 15 mbar at 20 °C (n-Butylacetate)

Vapour density : 4 (air =1) at 20 °C (n-Butylacetate)

relative density : 0,93 g/cm3 (20 °C)

Solubility : Not soluble in water

Partition coefficient: Not applicable

n-Octanol/Water : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature: No data available

Viscosity : 15.000 mPas (20 °C)

Explosive properties : Not applicable

Oxidising properties : Not applicable

9.2 Other information

VOC: approx. 23 %

Containing Solvent: approx. 23 % n-Butylacetate

10. Stability and reactivity

10.1 Reactivity: no data known

10.2 Chemical Stability Stable if used and stored according to the specifications

10.3 Possibility of hazardous reactions: vapours can form with air explosive mixtures

10.4 Conditions to be avoid : strong acids and strong bases, also strong oxidants

10.5 Incompatible materials: no data known

10.6 Hazardous decomposition products: see also section 5

11. Toxicological information

11.1 Acute Toxicity (all data corresponding to n-Butylacetate)

oral: LD50 10760 mg/kg (rat) OECD 423

dermal: LD50 >14000 mg/kg (rabbit) OECD 402

inhalative: LC0 23,4 mg/l (rat) OECD 403

11.2 Irritation and Corrosion

Skin: no skin irritation (rabbit) OECD 404

Eye: no eye irritation (rabbit) OECD 405

11.3 Sensitization not sensitizing: skin, (guinea pig) OECD 406

11.4 Additional toxicological notes: dizziness, narcosis, cough, nausea, vomiting, headache, unconsciousness, shortness of breath. Components (n-butyl acetate) of the product may be absorbed into the body by inhalation. Carcinogenicity, Mutagenicity, Reproductive toxicity (CMR): no effects

12. Ecological information

12.1 Toxicity Fish toxicity LC50 18 mg/l (96h) (American Phoxinus phoxinus) OECD 203

Daphnia toxicity EC50 44 mg/l (48h) (Daphnia magna)

(Data from dangerous substance n-Butylacetate)

12.2 Persistence and degradability

Biodegradation 83 % (28 d), aerobic, Readily biodegradable, OECD 301 D. (dangerous substance n-Butylacetate)

12.3 Bio accumulative potential no data available

12.4 Mobility in soil no data available

12.5 Results of PBT and vPvB assessment

This substance / mixture is not considered to be persistent, bio accumulating nor toxic (PBT), nor very persistent nor very bio accumulating (vPvB)

12.6 Other adverse effects: actually not known

13. Disposal considerations

13.1 Waste treatment methods

Disposal required in compliance with all waste management related state and local regulations.

The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal

Uncleaned empty packaging: Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Empty plastic packaging: 150102

European Waste Catalogue (EWC)

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

Extra caution: Leave waste to a dump or to a plant for burning waste

Other EU or national legislation ---

14. Transport information

14.1 UN-Number 1133 (Glues, Sealants)

14.2 Correct UN- proper shipping name

Transport by Street /Rail

ADR/RID: not subjected to ARD/RID see 2.2.3.1.5.

(packaging < 450 l) no dangerous good

Class /Packaging group : no dangerous good

Sea transport

IMDG-Code /GGV-See: not subjected to IMDG-Code 2.3.2.5 (packaging <= 450 l)

No dangerous good

Class /Packaging group: no dangerous good

Air Transport: ICAO-TI / IATA-DGR

Class 3

Label 3

UN-Number 1133

Packaging group III

Correct technical name: 1133 Clues (Resin solution)

14.3 Transport hazard class see 14.2

14.4 Packaging group see 14.2

14.5 Environmental hazards

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: no

Marine Pollutant: no

14.6 Special precautions for user: no, see also section 7

14.7 Transport in bulk according to Annex II des
MARPOL- 73/78 and the IBC-Code
Pollution category (X, Y, Z) : no
Ship type (1, 2, 3) : no

15. Regulatory information

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

The Product is classified according to Directive 1999/45/EC:

Hazard symbols: -- Flame, Warning



Hazard classification: flammable (R 10)

R-Phrases

R 10 Flammable.

R 66 Repeated exposure may cause skin dryness or cracking

R 67 Vapours may cause drowsiness and dizziness

S-Phrases

23 do not breathe vapour

24/25 avoid contact with skin and eyes

35 this material and its container must be disposed of in a safe way

Classification according to Regulation 1272/2008/EU

Flame, Warning



Dangerous component contains : n-Butylacetate

Flammable Mixture category 3

H-Phrases (raw materials)

H226: Flammable liquid and vapour

H336: May cause drowsiness and dizziness

EUH-Phrases

EUH066: Repeated exposure may cause skin dryness or cracking

P-Phrases

P210: Keep away from sources of ignition - No smoking

P233: Keep container tightly closed

P235: Keep cool

P261: Avoid breathing gas/mist/vapours

P280: Wear protective gloves and eye/face protection

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all
contaminated clothing. Rinse skin with water/shower

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a
position comfortable for breathing

P312: Call a POISON CENTRE or doctor if you feel unwell

National Regulation (Germany)

Wassergefährdungsklasse 1 (Solvent n-Butylacetate)

VOC: approx. 24 %

Lagerklasse by TRGS 510 : LGK 3

15.2 Chemical safety Assessment not be done yet

16. Other information

Section 1-16 are revised to new legislation,
section 1.1 and 9.1 are revised by 28.11.2012

Note: The above mentioned dates correspond to our present state of
knowledge and experience.

The safety data sheet serves as description of the products in regards to
necessary safety measures. The indications have not the meaning of
guarantees on properties.

Date of issue 30.07.2013 Department Product Safety

Additional information:

All information (n-Butylacetate) is data from suppliers, also the exposure
scenario

Contact: Sales@Sealants-int.com

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par
Route (European Agreement concerning the International Carriage of
Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises
dangereuses par chemin de fer (Regulations Concerning the International
Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association IATA-DGR: Dangerous Goods
Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation
Organization" (ICAO)

CAS: Chemical Abstract Service

EINECS: European Inventory of Existing Commercial Chemical Substance

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

TRGS Technische Regel Gefahrstoffe (Germany)

VOC: Volatile Organic Compounds

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

List of R and S-Phrases see section 15

Annex to the extended Safety Data Sheet eSDS

For professional Application in Coatings an Exposure scenario (Oxea) for the
dangerous substance n-Butylacetate (the product contains n-Butylacetate)

List of use descriptors

Sector of uses [SU]

SU22: Professional uses: Public domain (administration, education,
entertainment, services, craftsmen)

Process categories [PROC]

PROC1: Use in closed process, no likelihood of exposure

PROC2: Use in closed, continuous process with occasional controlled exposure

PROC3: Use in closed batch process (synthesis or formulation)

PROC4: Use in batch and other process (synthesis) where opportunity for
exposure arises

PROC5: Mixing or blending in batch processes for formulation of preparations
and articles (multistage and/or significant contact)

PROC8a: Transfer of substance or preparation (charging/discharging) from/to
vessels/large containers at non-dedicated facilities

PROC8b: Transfer of substance or preparation (charging/discharging) from/to
vessels/large containers at dedicated facilities

PROC10: Roller application or brushing

PROC11: Non industrial spraying

PROC13: Treatment of articles by dipping and pouring

PROC15: Use as laboratory reagent

PROC19: Hand-mixing with intimate contact and only PPE available

Environmental release categories [ERC]

ERC8a: Wide dispersive indoor use of processing aids in open systems

Product characteristics

Refer to attached safety data sheets

Processes and activities covered by the exposure scenario

Covers the use in coatings (paints, inks, adhesives, etc.) within closed or
contained systems including incidental exposures during use (including
materials receipt, storage, preparation and transfer from bulk and semi-bulk,
application activities and film formation) and equipment cleaning,
maintenance and associated laboratory activities.

Further explanations

Professional use

Assumes use at not more than 20°C above ambient temperature (unless
stated differently)

Number of the contributing scenario 1

Contributing exposure scenario controlling environmental exposure for ERC
8a

Further specification

SpERC ESVOG 8.3b.v1 (ESVOG 6),
assessment tool used: EUSES V2.1.

Amounts used

daily wide dispersive use: 0.00055 to/d

Fraction of EU tonnage used in region: 0.1

Fraction of Regional tonnage used locally: 0.0005

Amounts used (EU): 4000 to/a

Environment factors not influenced by risk management

River flow rate: 18000 m³/d Local freshwater dilution factor: 10
 Local marine water dilution factor: 100
 Technical conditions and measures at process level (source) to prevent release
 Release fraction to air from process: 98 %
 Release fraction to wastewater from process: 1 %
 Release fraction to soil from process: 1%
 20 / 30
 Frequency and duration of use 8 h (full shift) Great Britain (E-GB) /EN

Conditions and measures related to municipal sewage treatment plant
 Size of municipal sewage system/ treatment plant (m³/d): 2000
 The minimum grade of elimination in the sewage plant is (%): 89.1

Number of the contributing scenario 2

Contributing exposure scenario controlling worker exposure for PROC 1, PROC 2, PROC 3, PROC 4, PROC 8b, PROC 15

Further specification assessment tool used: Ecetoc TRA V2

Product characteristics

Liquid, vapour pressure 0,5 - 10 kPa at STP

Covers percentage substance in the product up to 100 % (unless stated differently)

Frequency and duration of use 8 h (full shift)

Other given operational conditions affecting workers exposure

Indoor and outdoor use

Number of the contributing scenario 3

Contributing exposure scenario controlling worker exposure for PROC 5, PROC 8a, PROC 10, PROC 13, PROC 19

Further specification assessment tool used: Ecetoc TRA V2

Product characteristics

Liquid, vapour pressure 0,5 - 10 kPa at STP

Covers percentage substance in the product up to 25 %

Frequency and duration of use 8 h (full shift)

Other given operational conditions affecting workers exposure

Indoor and outdoor use

Number of the contributing scenario 4

Contributing exposure scenario controlling worker exposure for PROC 11

Further specification assessment tool used: Ecetoc TRA V2

Product characteristics

Liquid, vapour pressure 0,5 - 10 kPa at STP

Covers percentage substance in the product up to 100 % (unless stated differently)

Frequency and duration of use 8 h (full shift)

Other given operational conditions affecting workers exposure

Indoor and outdoor use

Conditions and measures related to personal protection, hygiene and health evaluation

Wear respiratory protection (Efficiency: 90 %).

Exposure estimation and reference to its source

Environment

PEC = predicted environmental concentration (local); RCR = risk characterisation ratio

Fresh water (pelagic) PEC: 0.0005 mg/l; RCR: 0.003

Fresh water (Sediment) PEC: 0.011 mg/kg dw; RCR: 0.011

Marine water (pelagic) PEC: 0.0005 mg/l; RCR: 0.0003

Marine water (Sediment) PEC: 0.0009 mg/kg dw; RCR: 0.01

Agricultural Soil PEC: 0.0001 mg/kg dw; RCR: 0.002

Sewage Treatment Plant PEC: 0.0003 mg/l; RCR: 0.0000

Human exposure prediction (oral, dermal, inhalative)

Oral exposure is not expected to occur. EE(inhal): Estimated inhalative long-term exposure [mg/m³].

Exposure estimates are given for either short-term or long-term exposure depending on which lead to more conservative risk characterisation ratios.

The RMMs described above suffice to control risks for both local and systemic effects.

Proc 1 EE(inhal): 0.048

Proc 2 EE(inhal): 96.8

Proc 3 EE(inhal): 121

Proc 4 EE(inhal): 242

Proc 5 EE(inhal): 290.4

Proc 8a EE(inhal): 290.4

Proc 8b EE(inhal): 242

Proc 10 EE(inhal): 290.4

Proc 11 EE(inhal): 242

Proc 13 EE(inhal): 290.4

Proc 15 EE(inhal): 48.4

Proc 19 EE(inhal): 290.4

Risk characterisation

RCR(inhal): inhalative risk characterisation ratio. Where required local and systemic effects were evaluated both for short-term and long-term exposure. The RCR's given correspond in each case to the most conservative calculated values.

Proc 1 RCR(inhal): 0.0001

Proc 2 RCR(inhal): 0.202

Proc 3 RCR(inhal): 0.252

Proc 4 RCR(inhal): 0.504

Proc 5 RCR(inhal): 0.605

Proc 8a RCR(inhal): 0.605

Proc 8b RCR(inhal): 0.504

Proc 10 RCR(inhal): 0.605

Proc 11 RCR(inhal): 0.504

Proc 13 RCR(inhal): 0.605

Proc 15 RCR(inhal): 0.101

Proc 19 RCR(inhal): 0.605

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material

