SAFETY DATA SHEET
Solvent B

1. IDENTIFICATION

Product: Solvent B
Synonyms: C6-H12-O2; CH3-COO-CH2-CH2-CH2-CH3; CH3-COO-(CH2)3-CH3; acetic acid n-butyl ester; butyl acetate; 1-butyl acetate; butyl ethanoate; acetic acid butyl ester; butylacetates; n-butyl acetate GR; n-butyl acetate; OCG Resist Rinse I, OZ 3512 Polyamide; Rinse
Proper shipping name: Butyl Acetates
Recommended use: Thinning and clean up of floor coatings
Manufacturer: Concrete Chemical Company
Address: Suite 1005
4 / 16 Beenleigh Redland Bay Rd
Loganholme Qld 4129
Australia
Phone: 1300 792 207
Email: admin@concretechemical.co
Website: www.concretechemical.co
Emergency: 1300 792 207 (ALL HOURS) or consult a physician

2. HAZARDS IDENTIFICATION

GHS Classification

Classification according to Regulation (EC) No 1272/2008

Flammable liquids (Category 3), H226

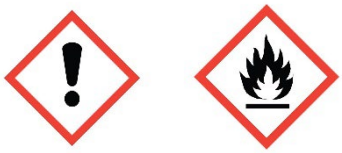
Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336

For the full text of the H-Statements mentioned in this Section, see Section 16.

SIGNAL WORD
Warning

Label elements

Labelling according Regulation (EC) No 1272/2008
Flame
Exclamation mark



Hazard statements
H226 - Flammable liquid and vapour
H336 – May cause drowsiness or dizziness.

Precautionary Statements
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.No smoking
P233 - Keep container tightly closed
P240 - Ground and bond container and receiving equipment
P241 - Use explosion-proof electrical, ventilating, lighting equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge

P261 - Avoid breathing dust / fume / gas / mist / vapours / spray
P271 - Use only outdoors or in a well-ventilated area
P272 - Contaminated work clothing should not be allowed out
P280 - Wear protective gloves / protective clothing / eye protection / face protection
P285 - In case of inadequate ventilation wear respiratory protection

Precautionary Statements - Storage
Store in a well ventilated place. Keep cool.

Precautionary Statements – Disposal
Dispose of contents/container to an approved waste disposal facility

Other hazards which do not result in classification
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Formula : $C_6H_{12}O_2$
Molecular weight : 116,16 g/mol
CAS-No. : 123-86-4
EC-No. : 204-658-1
Index-No. : 607-025-00-1

Component		Classification	Concentration
n-Butylacetate			
CAS-No. EC-No. Index-No.	123-86-4 204-658-1 607-025-00-1	Flam. Liq. 3; STOT SE 3; H226, H336	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST-AID MEASURES

Description of first aid measures

General Advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. Call a physician if symptoms occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact Take off all contaminated clothing. Wash off immediately plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion After swallowing: caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Symptoms The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Suitable Extinguishing Media Carbon dioxide (CO2) Foam Dry powder

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical

Specific hazards arising from the chemical

Carbon oxides

Combustible

Vapors are heavier than air and may spread along floors

Forms explosive mixtures with air at elevated temperatures

Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective actions for fire-fighters

ecial protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Hazchem Code *3Y

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

Environmental precautions

Environmental precautions Do not let product enter drains. Risk of explosion.

Methods and material for containment and cleaning up

Methods for containment and cleanup Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Advice on protection against fire and explosion
Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures
Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

Storage class Storage class (TRGS 510): 3: Flammable liquids

Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Ingredients with workplace control parameters

Derived No Effect Level (DNEL)

Application Area	Routes of exposure	Health effect	Value
Worker DNEL, acute	inhalation	Local effects	600 mg/m3
Worker DNEL, acute	inhalation	Systemic effects	600 mg/m3
Worker DNEL, longterm	inhalation	Local effects	300 mg/m3
Worker DNEL, longterm	inhalation	Systemic effects	300 mg/m3
Consumer DNEL, acute	inhalation	Local effects	300 mg/m3
Consumer DNEL, acute	inhalation	Systemic effects	300 mg/m3
Consumer DNEL, longterm	inhalation	Local effects	35,7 mg/m3
Consumer DNEL, longterm	inhalation	Systemic effects	35,7 mg/m3

Predicted No Effect Concentration (PNEC)

Compartment	Value
Fresh water	0,18 mg/l
Fresh water sediment	0,981 mg/kg
Sea water	0,018 mg/l
Sea sediment	0,0981 mg/kg
Aquatic intermittent release	0,36 mg/l
Sewage treatment plant	35,6 mg/l
Soil	0,0903 mg/kg

Appropriate engineering controls

Individual protection measures, such as personal protective equipment

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.
OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Hand protection Wear suitable gloves. Impervious gloves.

Respiratory protection If determined by a risk assessment an inhalation risk exists, wear an organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Environmental exposure controls Prevent product from entering drains.

Thermal hazards Noe under normal processing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a)	Physical state	liquid
b)	Color	colorless, clear
c)	Odor	fruity
d)	Melting point/freezing point	Melting point/range: -78 °C - lit.
e)	Initial boiling point and boiling range	124 - 126 °C - lit.
f)	Flammability (solid, gas)	No data available
g)	Upper/lower flammability or explosive limits	Upper explosion limit: 7,6 %(V) Lower explosion limit: 1,7 %(V)
h)	Flash point	27 °C - closed cup - Regulation (EC) No. 440/2008, Annex, A.9
i)	Autoignition temperature	415 °C at 1.010 hPa - DIN 51794
j)	Decomposition temperature	No data available
k)	pH	6,2 at 5,3 g/l at 20 °C
l)	Viscosity	Viscosity, kinematic: 0,83 mm2/s at 20 °C - ASTM D 4450,66 mm2/s at 40 °C - ASTM D 445 Viscosity, dynamic: 0,73 mPa.s at 20 °C - ASTM D 4450,563 mPa.s at 40 °C
m)	Water solubility	5,3 g/l at 20 °C - OECD Test Guideline 105- soluble
n)	Partition coefficient: n-octanol/water	log Pow: 2,3 at 25 °C - OECD Test Guideline 117 - Bioaccumulation is not expected.
o)	Vapor pressure	11,2 hPa at 20 °C - Regulation (EC) No. 440/2008, Annex, A.4
p)	Density	0,88 g/cm3 at 25 °C - lit.
	Relative density	No data available
q)	Relative vapor density	No data available
r)	Particle characteristics	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	none

10. STABILITY AND REACTIVITY

Reactivity

Reactivity Vapor/air-mixtures are explosive at intense warming.

Chemical stability

Stability The product is chemically stable under standard ambient conditions (room temperature) .

Possibility of hazardous reactions

Risk of explosion with:

Alkali metals

alkali hydroxides

Strong oxidizing agents

Conditions to avoid

Conditions to avoid Excessive heat.

Incompatible materials

Incompatible materials Rubber, Various Plastics

Hazardous decomposition products
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Acute toxicity
LD50 Oral - Rat - female - 10.760 mg/kg
(OECD Test Guideline 423)
Symptoms: Risk of aspiration upon vomiting., Aspiration may cause pulmonary edema and pneumonitis.
Inhalation: No data available
LD50 Dermal - Rabbit - male and female - 14.112 mg/kg
(OECD Test Guideline 402)

Skin corrosion/irritation
Skin - Rabbit
Result: No skin irritation - 4 h
(OECD Test Guideline 404)
Remarks: Drying-out effect resulting in rough and chapped skin.

Serious eye damage/eye irritation
Eyes - Rabbit
Result: No eye irritation
(OECD Test Guideline 405)

Respiratory or skin sensitization
No data available
Germ cell mutagenicity

Test Type: Ames test
Test system: Escherichia coli/Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
Test Type: Micronucleus test
Species: Mouse
Cell type: Red blood cells (erythrocytes)
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative

Carcinogenicity
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
May cause drowsiness or dizziness. - Central nervous system

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No Data Available

Endocrine disrupting properties

Product:

Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Repeated dose toxicity - Rat - male and female - Oral - 13 Weeks - NOAEL (No observed adverse effect level) - 125 mg/kg - LOAEL (Lowest observed adverse effect level) - 500 mg/kg

RTECS: AF7350000
Drowsiness
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

After absorption of large quantities:
somnolence
Drowsiness
narcosis

Handle in accordance with good industrial hygiene and safety practice.

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	flow-through test LC50 - Pimephales promelas (fathead minnow) - 18 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - 44 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 397 mg/l - 72 h (OECD Test Guideline 201) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: Isobutyl acetate
Toxicity to bacteria	static test IC50 - Tetrahymena pyriformis - 356 mg/l - 40 h Remarks: (ECHA)
Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity)	semi-static test EC50 - Daphnia magna (Water flea) - 34,2 mg/l - 21 d (OECD Test Guideline 211) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: Isobutyl acetate

Persistence and degradability

Biodegradability	aerobic - Exposure time 28 d Result: 83 % - Readily biodegradable. (OECD Test Guideline 301D)
Theoretical oxygen demand	2.207 mg/g Remarks: (Lit.)
Ratio BOD/ThBOD	7 - 46 % Remarks: (Lit.)

Bioaccumulative potential

Bioaccumulation No information available.

Mobility

Mobility in soil No information available.

Results of PBT and vPvB assessment
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Endocrine disrupting properties
Product:
Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Other adverse effects
Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

LAND - ADG

UN number	1123
Proper shipping name	BUTEL ACETATES
EPG	118 LIQUIDS – Highly Flammable, Toxic and/or Corrosive
Hazard class	3
Packing group	III
Hazchem code	3Y

AIR - IATA

UN number	1123
UN proper shipping name	BUTEL ACETATES
Transport hazard class(es)	3
Packing group	III
Hazchem code	3Y

SEA - IMDG

UN number	1123
UN proper shipping name	BUTEL ACETATES
Transport hazard class(es)	3
Packing group	III
IMDG EMS Fire	F-E
IMDG EMS Spill	S-E
Marine Pollutant	No

Dangerous Goods Classification Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

15. REGULATORY INFORMATION

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

National regulations

Australia

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

Australian Inventory of Industrial Chemicals (AIIC)

Classified as a hazardous chemical in accordance with the criteria of Safe Work Australia - Globally Harmonized System (GHS).

Classified as dangerous goods in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG).

See section 8 for national exposure control parameters

16. OTHER INFORMATION

Reason(s) For Issue: First Issue Primary SDS

Issuing Date: 05-Mar-2024

Revision Note:
The symbol (*) in the margin of this SDS indicates that this line has been revised.

Full text of H-Statements referred to under sections 2 and 3.
EUH066 Repeated exposure may cause skin dryness or cracking.
H226 Flammable liquid and vapor.
H336 May cause drowsiness or dizziness.

Key or legend to abbreviations and acronyms used in the safety data sheet
Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Key literature references and sources for data used to compile the SDS

EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian Industrial Chemicals Introduction Scheme (AICIS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Concrete Chemical Company cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Concrete Chemical Company representative or Concrete Chemical Company at the contact details on page 1.

Concrete Chemical Company responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

End of Safety Data Sheet