

Bauder LiquiTOP Reactivation Primer

safety data sheet According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

Revision date: March 2022 Supersedes : 31.10.2018

COMPANY UNDERTAKING

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1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE

1.1 Product identifier

Product name Bauder LiquiTOP Reactivation Primer
Article number GB81008120

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

Identified uses Adhesive.
Uses advised against No specific uses advised against are identified

1.3 Details of the supplier of the safety data sheet

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1.4 Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only).

For medical advice, members of the public should contact NHS 111

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225
Health hazards Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H336 STOT RE 2 - H373

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Environmental hazards	Not Classified
Human health	Contains non-volatile isocyanate. Heating may generate vapours which irritate the respiratory system. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Physicochemical	The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

2.2 Label elements

Pictogram



Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H312+H332 Harmful in contact with skin or if inhaled.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

EUH204 Contains isocyanates. May produce an allergic reaction.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with national regulations.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

Contains XYLENE, BUTANONE, ISOPHORONDIISOCYANATE HOMOPOLYMER

2.3 Other hazards

This product does not contain any substances classified as PBT or vPvB.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

BUTANONE 30-60%		
CAS number: 78-93-3	EC number: 201-159-0	REACH registration number: 01-2119457290-43-0000
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT SE 3 - H336		
XYLENE 30-60%		
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-0030
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 STOT SE 3 - H335 STOT RE 2 - H373		
ISOPHORONDIISOCYANATE HOMOPOLYMER 1-5%		
CAS number: 53880-05-0		
Classification Skin Sens. 1 - H317 STOT SE 3 - H335		
2-METHOXY-1-METHYLETHYL ACETATE <1%		
CAS number: 108-65-6	EC number: 203-603-9	REACH registration number: 01-2119475791-29-0001
Classification Flam. Liq. 3 - H226		

SATNNANE DIMETHYLBIS[(1-OXONEODECYLOXY)]		<1%
CAS number: 68928-76-7	REACH registration number: 01-2120770324-57-0001	

Classification
Acute Tox. 4 - H302 Repr. 2 - H361d STOT RE 1 - H372 Aquatic Chronic 4 H413

ETHYLBENZENE			<1%
CAS number: 100-41-4	EC number: 202-849-4	REACH registration number: 01-2119489370-35-0018	

Classification
Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304

The full text for all hazard statements is displayed in Section 16.

4 FIRST AID MEASURES

4.1 Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Rinse mouth thoroughly with water. Get medical attention.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	May cause temporary eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards The product is flammable. Heating may generate flammable vapours. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. The product is highly flammable.

Hazardous combustion products Does not decompose when used and stored as recommended.

5.3 Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.

Special protective equipment for firefighters Wear chemical protective suit.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground

6.3 Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4 Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the original container.

Storage class Flammable liquid storage.

7.3 Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m³(Sk)

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³ Sk

2-METHOXY-1-METHYLETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 274 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 548 mg/m³(Sk)

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

BUTANONE (CAS: 78-93-3)

Ingredient comments WEL = Workplace Exposure Limits

Biological limit values Short Term Value: 300ppm Long Term Value: 200ppm

DNEL

Consumer - Oral; Long term systemic effects: 31 mg/kg bw/day

Consumer - Dermal; Long term systemic effects: 412 mg/kg bw/day

Workers - Dermal; Long term systemic effects: 1161 mg/kg bw/day

Consumer - Inhalation; Long term systemic effects: 106 mg/m³

Workers - Inhalation; Long term systemic effects: 600 mg/m³

PNEC

Fresh water; 55.8 mg/l

Sediment (Freshwater); 284.7 mg/kg

Intermittent release; 55.8 mg/l

Sediment (Marinewater); 284.7

Marine water; 55.8 mg/l

STP; 709 mg/l

Soil; 22.5 mg/kg

ISOPHORONDIISOCYANATE HOMOPOLYMER (CAS: 53880-05-0)

DNEL Workers - Inhalation; Long term local effects: 0.29 mg/m³

Workers - Inhalation; Short term local effects: 0.58 mg/m³

PNEC Fresh water; 0.0015 mg/l

Marine water; 0.00015 mg/l

STP; 100 mg/l

2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)

DNEL Workers - Dermal; Long term systemic effects: 153.5 mg/kg bw/day

Workers - Inhalation; Long term systemic effects: 275 mg/m³

General population - Dermal; Long term systemic effects: 54.8 mg/kg bw/day

General population - Inhalation; Long term systemic effects: 33 mg/m³

General population - Oral; Long term systemic effects: 1.67 mg/kg bw/day

PNEC Fresh water; 0.635 mg/l

Marine water; 0.0635 mg/l

Intermittent release; 6.35 mg/l

STP; 100 mg/l

Sediment; 3.29 mg/kg dry weight

Sediment (Marinewater); 0.329 mg/kg dry weight

Soil; 0.29 mg/kg dry weight

8.2 Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash contaminated clothing before reuse. Wash hands after handling. Eating, smoking and water fountains prohibited in immediate work area.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

Appearance	Coloured liquid.
Colour	Various colours.
Odour	Characteristic.
Odour threshold	Not available.
pH	Not available.
Melting point	Not available.
Initial boiling point and range	130-145°C @
Flash point	-7°C Estimated value.
Evaporation rate	Not determined.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.1 Upper flammable/explosive limit: 10
Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.87 @ 20°C
Bulk density	Not available.
Solubility(ies)	Insoluble in water.

Partition coefficient	Not available.
Auto-ignition temperature	500°C
Decomposition Temperature	Not available.
Viscosity	Kinematic viscosity > 20.5 mm ² /s.
Explosive properties	Not available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not available.
Comments	Information given is applicable to the product as supplied.

9.2 Other information

Other information	No information required.
Refractive index	Not available.
Particle size	Not available.
Molecular weight	Not available.
Volatility	Not available.
Saturation concentration	Not available.
Critical temperature	Not available

10 STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2 Chemical stability

Stability No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable. Not relevant.

10.4 Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Materials to avoid Strong oxidising agents.

10.6 Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 4,761.9

Acute toxicity - dermal

ATE dermal (mg/kg) 1,689.71

Acute toxicity - inhalation

ATE inhalation (gases ppm) 15,952.38

ATE inhalation (vapours mg/l) 47.62

Toxicological information on ingredients.

BUTANONE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,000.0

Species Rat

ATE oral (mg/kg) 2,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

ATE dermal (mg/kg) 2,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 20.0

Species Rat

ATE inhalation (vapours mg/l) 20.0

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 4,000.0

Species Rat

ATE oral (mg/kg) 4,000.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ gases ppmV) 6,700.0

Species Rat

ATE inhalation (gases ppm) 6,700.0

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

2-METHOXY-1-METHYLETHYL ACETATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 8,532.0

Species Rat

ATE oral (mg/kg) 8,532.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,000.0

Species Rat

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 35.7

Species Rat

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 23.8

Species Rat

ATE inhalation (vapours mg/l) 35.7

ATE inhalation (dusts/mists mg/l) 23.8

ETHYLBENZENE

Acute toxicity – inhalation

ATE inhalation (gases ppm) 4,500.0

ATE inhalation (vapours mg/l) 11.0

ATE inhalation (dusts/mists mg/l) 1.5

Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Ecological information on ingredients.

BUTANONE

Acute toxicity - fish LC₅₀, EC₅₀, IC₅₀, : 100 mg/l, Algae

Acute toxicity - aquatic plants LC₅₀, EC₅₀, IC₅₀, : 100 mg/l, Fish

XYLENE

Acute toxicity - fish , 48 hours: > 1-10 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 11.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 100 mg/l, Fish

2-METHOXY-1-METHYLETHYL ACETATE

Acute toxicity - fish LC₅₀, 96 hours: 100 mg/l, Oryzias latipes (Red killifish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 500 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 1000 mg/l, Pseudokirchneriella subcapitata

Acute toxicity – microorganisms EC₅₀, 72 hours: 1000 mg/l, Pseudokirchneriella subcapitata

12.2 Persistence and degradability

12.3 Bioaccumulative potential

Partition coefficient Not available.

Ecological information on ingredients.

XYLENE

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient Not available

12.4 Mobility in soil

Ecological information on ingredients.

BUTANONE

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

XYLENE

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

BUTANONE

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

XYLENE

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects

Other adverse effects None known.

Ecological information on ingredients.

BUTANONE

Other adverse effects None known.

XYLENE

Other adverse effects Not known.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14 TRANSPORT INFORMATION

14.1 UN number

UN No. (ADR/RID) 1224

UN No. (IMDG) 1224

UN No. (ICAO) 1224

UN No. (ADN) 1224

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14.2 UN proper shipping name

Proper shipping name (ADR/RID)	KETONES, LIQUID, N.O.S.(METHYL ETHYL KETONE)
Proper shipping name (IMDG)	KETONES, LIQUID, N.O.S.(METHYL ETHYL KETONE)
Proper shipping name (ICAO)	KETONES, LIQUID, N.O.S.(METHYL ETHYL KETONE)
Proper shipping name (ADN)	KETONES, LIQUID, N.O.S.(METHYL ETHYL KETONE)

14.3 transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



14.4 Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant

No

14.6 Special precautions for user

EmS	F-E, S-D
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number	30 (ADR/RID)
Tunnel restriction code	(D/E)

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

15 REGULATORY INFORMATION

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

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Issued by	Compliance
Revision date	14.03.2022
Revision	2
Supersedes date	-
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. H372 Causes damage to organs through prolonged or repeated exposure. H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure. H413 May cause long lasting harmful effects to aquatic life.
Store Between	Store Between 5°C - 25°C
Contains SVHC	NO

Bauder reserves the right to amend information and product specifications without prior notice. All reasonable care has been taken to ensure that all data is current at the time of print, however because Bauder pursues a policy of constant development we recommend ensuring that your copy of this information is current by contacting our Technical Department at technical@bauder.co.uk

Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications, installation techniques and any applicable laws and regulations.

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