

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Trade name : BAUDER PRIMER SK
Type of product : Primer

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : Industrial uses.,Professional use,Consumer uses
Industrial/Professional use spec : Primer

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Paul Bauder GmbH & Co. KG
Korntaler Landstraße 63
70499 Stuttgart - DEUTSCHLAND
T 0049 (0) 711/8807-0 - F 0049 (0) 711/8807-300

1.4. Emergency telephone number

Emergency number : 0049 (0) 30 30686 790
www.giftnotruf.de

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Flammable liquids, Category 2	H225
Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411

Full text of H statements : see section 16

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour
H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P210 - Keep away from hot surfaces, open flames, sparks, heat. - No smoking
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear eye protection, face protection, protective gloves
P403+P233 - Store in a well-ventilated place. Keep container tightly closed

Child-resistant fastening : No

Tactile warning : No

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

2.3. Other hazards

- Adverse physicochemical, human health and environmental effects : Combustible. Contains volatile component(s). Irritating to eyes and skin. Dangerous for the environment.
- Other hazards not contributing to the classification : Dust may form explosive mixture in air.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cyclohexane	(CAS No) 110-82-7 (EC no) 203-806-2 (EC index no) 601-017-00-1 (REACH-no) 01-2119463273-41	20 - 30	F; R11 Xn; R65 Xi; R38 R67 N; R50/53	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	(EC no) 927-510-4 (EC index no) 927-510-4	10 - 30	F; R11 Xn; R65 Xi; R38 N; R51/53	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Hydrocarbons, C6 isoalkanes, <5% n-hexane	(EC no) 931-254-9 (REACH-no) 01-2119484651-34	5 - 15	F; R11 Xn; R65 Xi; R38 N; R51/53	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
ethyl acetate	(CAS No) 141-78-6 (EC no) 205-500-4 (EC index no) 607-022-00-5 (REACH-no) 01-2119475103-46	8 - 15	F; R11 Xi; R36 R66 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. Take victim to a doctor if irritation persists.
- First-aid measures after inhalation : Remove the victim into fresh air. In case of respiratory collapse: apply mouth-to-mouth resuscitation. When there is no quick recovery : consult a doctor/medical service.
- First-aid measures after skin contact : Rinse with water. Wash with water and soap. Take victim to a doctor if irritation persists. Repeated or prolonged contact with the product may cause skin diseases.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.
- First-aid measures after ingestion : When there is no quick recovery : consult a doctor/medical service. Do not induce vomiting.

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

- Symptoms/injuries : Dizziness. Nausea. Dry skin. Headache. Unconsciousness. skin irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Causes damage to the central nervous system. Contains petrol.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry powder. Carbon dioxide. Water haze. Carbon dioxide. Powder. Foam. Sand. sand/earth.
- Unsuitable extinguishing media : Do not use a high volume water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Vapours are heavier than air and spread above ground. Possible ignition from a distance. Floats on water and may be ignited again.
- Explosion hazard : Atex klasse IIA, T3.

5.3. Advice for firefighters

- Precautionary measures fire : Evacuate all personnel that isn't necessary.
- Firefighting instructions : Eliminate all ignition sources if safe to do so. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. Exercise caution when fighting any chemical fire.

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- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
Other information : Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ensure adequate ventilation. Avoid contact with skin and eyes. No naked flames or sparks. In order to rule out potential electrostatic discharge production, the system must be adequately grounded. Do not inhale vapour. Stop engines and no smoking. Shut off leaks if without risks. Vapours are heavier than air and spread above ground. Evacuate all personnel that isn't necessary. Floats on water and may be ignited again. Possible ignition from a distance.

6.1.1. For non-emergency personnel

- Protective equipment : Use protective clothing. See Heading 8.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing and gloves. Wear a self contained breathing apparatus.
Emergency procedures : Ventilate area. Stop leak if safe to do so. Stop release.

6.2. Environmental precautions

Substance must not be discharged into the sewer.

6.3. Methods and material for containment and cleaning up

- For containment : Shut off leaks if without risks. Contain released substance, pump into suitable containers. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.
Methods for cleaning up : Wash down leftovers with plenty of water.
Other information : May form flammable vapour-air mixture.

6.4. Reference to other sections

Exposure controls and personal protection. See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : if necessary: Ventilation, local exhaust, or breathing protection. In use, may form flammable vapour-air mixture. Handle empty containers with care because residual vapours are flammable. ventilate the area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Precautions for safe handling : Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not get in eyes, on skin, or on clothing. Vapours are heavier than air and could spread above ground for a great distance till their source before exploding. No naked flames, sparks, and do not smoke. Do not handle until all safety precautions have been read and understood. Avoid ignition sources and static discharges. Provide good ventilation in process area to prevent formation of vapour. Prevent build-up of electrostatic charges (e.g., by grounding).
Handling temperature : 10 - 25 °C
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Use explosion-proof electrical/ventilating/lighting/... equipment. Ensure adequate ventilation.
Storage conditions : Store in original container. Keep container tightly closed.
Incompatible materials : Direct sunlight. Heat sources. Sources of ignition.
Maximum storage period : 12 months
Storage temperature : 10 - 20 °C
Storage area : Keep container tightly closed in a cool, well-ventilated place. Keep away from direct sunlight, heat sources and sources of ignition.
LGK 3: Flammable liquids (D).
Special rules on packaging : meet the legal requirements.

7.3. Specific end use(s)

Primer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Cyclohexane (110-82-7)		
EU	IOELV TWA (mg/m ³)	700 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
Belgium	Limit value (mg/m ³)	350 mg/m ³

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Cyclohexane (110-82-7)		
Belgium	Limit value (ppm)	100 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	700 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm
Germany	TRGS 900 Limitation of exposure peaks (mg/m ³)	800 mg/m ³
Germany	TRGS 900 Limitation of exposure peaks (ppm)	2800 ppm
ethyl acetate (141-78-6)		
Belgium	Limit value (mg/m ³)	1461 mg/m ³
Belgium	Limit value (ppm)	400 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	1500 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	400 ppm
Germany	TRGS 900 Limitation of exposure peaks (mg/m ³)	3000 mg/m ³
Germany	TRGS 900 Limitation of exposure peaks (ppm)	800 ppm

8.2. Exposure controls

Appropriate engineering controls	: Ensure adequate ventilation. If local exhaustion is insufficient, wear full-face mask.
Personal protective equipment	: In case of splash hazard: safety glasses. Gloves.
Materials for protective clothing	: PVC
Hand protection	: solvent-resistant gloves
Eye protection	: Safety glasses
Skin and body protection	: Standard working clothes
Respiratory protection	: Ensure adequate ventilation. If local exhaustion is insufficient, wear full-face mask.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Black.
Odour	: petroleum-like odour.
Boiling point	: > 35 °C
Flash point	: -30 °C c.c. (Closed Cup)
Auto-ignition temperature	: > 200 °C
Relative vapour density at 20 °C	: > 1 (air=1)
Density	: 0.84 g/cm ³
Solubility	: Water: insoluble in water
Viscosity, dynamic	: 325 - 425 mPa.s Spindel 4 20t/min @20°C
Explosive properties	: Product is not explosive but may form flammable/explosive vapour-air mixture. Explosion Class: IIa, T3.
Oxidising properties	: No data available
Explosive limits	: 1.1 - 7.4 vol %

9.2. Other information

VOC content	: 60 - 64 %
Other properties	: Contains volatile component(s).

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Vapours may form flammable and explosive mixture with air.

10.3. Possibility of hazardous reactions

No additional information available

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10.4. Conditions to avoid

fire, naked flames. sparks. Heat.

10.5. Incompatible materials

When liquid avoid. Water. Plastic.

10.6. Hazardous decomposition products

Hazardous smoke may be released during heating until decomposition.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

ATE CLP (oral)	500.000 mg/kg bodyweight
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Cyclohexane (110-82-7)	
LD50 oral rat	> 5000 kilogram
LD50 dermal rat	> 2000 mg/kg
ethyl acetate (141-78-6)	
LD50 oral rat	4935 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	22.5 mg/l

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Floats on water, evaporates quickly, danger of pollution of drinking water when large quantities of the product enters the soil.
Ecology - water	: Toxic

Cyclohexane (110-82-7)	
LC50 fish 1	4.53 mg/l (Pimephales promelas)
EC50 Daphnia 1	0.9 mg/l 48h
EC50 other aquatic organisms 1	3.4 mg/l 72h (Selenastrum capricornutum)
ethyl acetate (141-78-6)	
LC50 fish 2	> 230 mg/l 96 u Pimephales Promelas
EC50 Daphnia 2	> 164 mg/l Magna 24u

12.2. Persistence and degradability

Cyclohexane (110-82-7)	
Persistence and degradability	Readily biodegradable.
ethyl acetate (141-78-6)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

Cyclohexane (110-82-7)	
Log Pow	3.4
Bioaccumulative potential	None reasonably foreseeable.
ethyl acetate (141-78-6)	
Log Pow	0.68
Bioaccumulative potential	Not established.

12.4. Mobility in soil

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Cyclohexane (110-82-7)	
Ecology - soil	Insoluble in water.
ethyl acetate (141-78-6)	
Ecology - soil	Moderately soluble in water.

12.5. Results of PBT and vPvB assessment

Component	
Cyclohexane (110-82-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
ethyl acetate (141-78-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional legislation (waste) : Remove to an authorized waste treatment plant. Wastes, including emptied containers, should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.
- Ecology - waste materials : Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

- UN-No. (ADR) : 1133
UN-No. (IMDG) : 1133
UN-No. (IATA) : 1133
UN-No. (ADN) : 1133
UN-No. (RID) : 1133

14.2. UN proper shipping name

- Proper Shipping Name (ADR) : ADHESIVES, containing a flammable liquid
Proper Shipping Name (IMDG) : ADHESIVES containing flammable liquids
Proper Shipping Name (IATA) : ADHESIVES containing flammable liquids
Proper Shipping Name (ADN) : ADHESIVES containing flammable liquids
Proper Shipping Name (RID) : ADHESIVES containing flammable liquids
Transport document description (ADR) : UN 1133 ADHESIVES, containing a flammable liquid, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG) : UN 1133 ADHESIVES containing flammable liquids, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

- Transport hazard class(es) (ADR) : 3 (N)
Danger labels (ADR) : 3, N



IMDG

- Transport hazard class(es) (IMDG) : 3 (N)
Danger labels (IMDG) : 3, N



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IATA

Transport hazard class(es) (IATA) : 3 (N)

Hazard labels (IATA) : 3, N



ADN

Transport hazard class(es) (ADN) : 3

Danger labels (ADN) : 3



RID

Transport hazard class(es) (RID) : 3 (N)

Danger labels (RID) : 3, N



14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Transport regulations (ADR) : Subject to the provisions

Hazard identification number (Kemler No.) : 33

Orange plates :

Tunnel restriction code (ADR) : D/E

- Transport by sea

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-D

- Air transport

No data available

- Inland waterway transport

No data available

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- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded 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 I to Regulation (EC) No 1272/2008	BAUDER PRIMER SK - Cyclohexane - Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane - Hydrocarbons, C6 isoalkanes, <5% n-hexane - ethyl acetate
3.a. Substances or mixtures fulfilling the 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 to F	BAUDER PRIMER SK - Cyclohexane - Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane - Hydrocarbons, C6 isoalkanes, <5% n-hexane - ethyl acetate
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	BAUDER PRIMER SK - Cyclohexane - Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane - Hydrocarbons, C6 isoalkanes, <5% n-hexane - ethyl acetate
3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	BAUDER PRIMER SK - Cyclohexane - Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane - Hydrocarbons, C6 isoalkanes, <5% n-hexane
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.	BAUDER PRIMER SK - Cyclohexane - Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane - Hydrocarbons, C6 isoalkanes, <5% n-hexane - ethyl acetate
57. Cyclohexane	Cyclohexane

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 60 - 64 %

Other information, restriction and prohibition regulations : (D) GIS-CODE: S1 Stark lösemittelhaltige Verlegewerkstoffe, aromaten- und methanolfrei.

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Data sources : The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty.

Full text of R-, H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed

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H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
R11	Highly flammable
R36	Irritating to eyes
R38	Irritating to skin
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product