

Best Klebstoffe GmbH & Co. KG

Telefax: +49 (0)08869 91384-15

according to Regulation (EC) No 1907/2006

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1.1. Product identifier

BEST AKTIV C+

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

Use of the substance/mixture

Adhesives, sealants

Uses advised against

none/none

1.3. Details of the supplier of the safety data sheet

Company name:

Best Klebstoffe GmbH & Co. KG

Street:

Gewerbestraße 10-14

Place:

D-86981 Kinsau

Telephone:

+49 (0)08869 91384-0

e-mail:

info@bestklebstoffe.de

Internet:

www.bestklebstoffe.de

Responsible Department:

Dr. Timo Gans-Eichler Chemieberatung

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Raesfeldstr. 22

48149 Münster

+49 (0)08869 91384-0 (08:00 - 17:00)

1.4. Emergency telephone number:

2.1. Classification of the substance or mixture

R phrases:

Flammable.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

GHS classification

Hazard categories:

Flammable liquid: Flam. Liq. 3

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Flammable liquid and vapour.

May cause drowsiness or dizziness.

2.2. Label elements

Hazardous components which must be listed on the label

n-butyl acetate

Signal word:

Warning

Pictograms:

GHS02-GHS07





Hazard statements

H226

Flammable liquid and vapour.



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H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P501 Dispose of contents/container to disposal according to official regulations.

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3.2. Mixtures

Hazardous components

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Classification	Company of the last
GHS classification	
il. Gray diagon	
R10-66-67	
Flam. Liq. 3, STOT SE 3; H226 H336	-
	GHS classification

Full text of R and H phrases: see Section 16.

Further Information

Product does not contain listed SVHC substances. Full text of R-phrases; see section 16.

cases along a property management

4.1. Description of first aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of irritation of the respiratory tract seek medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be swallowed in little sips (dilution effect). Seek medical advice.

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

No information available.

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

Treat symptomatically.

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Revision No: 1,00

GB - EN

Revision date: 02.04.2013



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Extinguishing media which must not be used for safety reasons High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Extinguishing materials should be selected according to the surrounding area.

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6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Wear personal protection equipment. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

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7.1. Precautions for safe handling

Advice on safe handling

Keep away from sources of ignition - No smoking. Refer to chapter 8.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Further information on handling

Flammable vapours can accumulate in steam space of closed systems.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight.

Advice on storage compatibility

Do not store together with:

5.1 A + 5.1C

Further information on storage conditions

Recommended storage temperature: 20°C Protect against: Light. heat. cooling. moisture.

7.3. Specific end use(s)

Adhesives, sealants

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8.1. Control parameters



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Exposure limits (EH40)

	Substance	ppm	mg/m³	fibres/ml	Category	Origin
123-86-4 Butyl acetate	Butyl acetate	150	724		TWA (8 h)	WEL
	200	966		STEL (15 min)	WEL	

8.2. Exposure controls



Occupational exposure controls

If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

Protective and hygiene measures

Always close containers tightly after the removal of product.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection required in case of:

exceeding critical value

Suitable respiratory protective equipment: gas filtering equipment (EN 141). Typ: A

Hand protection

In case of prolonged or frequently repeated skin contact: Multilayer glove - PE / EVAL / PE (PE = polyethylene, EVAL = ethylene vinyl alcohol copolymer)

Eye protection

Wear safety glasses; chemical goggles (if splashing is possible).

Skin protection

No special measures are necessary.

Environmental exposure controls

Do not empty into drains or the aquatic environment.

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9.1. Information on basic physical and chemical properties

Physical state:

liquid

Colour:

colourless

Odour:

characteristic

pH-Value:

Test method 5 (@ 5 g/L)

Changes in the physical state

Melting point:

-76 °C

Boiling point:

124 - 128° °C

Flash point:

25-27 °C ISO 3679

Explosive properties

Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

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9700 Bure Carity Diggs	over a quality of p		
Lower explosion limits: Upper explosion limits: Ignition temperature: Oxidizing properties none/none	1,2 vol. % 7,5 vol. % 420 °C	Augus Seir	
Vapour pressure: Density: Water solubility: Viscosity / dynamic: (at 25 °C)	~12,5 hPa 0,882 g/cm³ 7-10 g/L 0,693 mPa·s		

SECTION OF SERVICE FOR GREATING

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal storage and handling conditions.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Keep away from heat. Protect from direct sunlight.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong.

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).

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11.1. Information on toxicological effects

Toxicocinetics, metabolism and distribution

No data available

Acute toxicity

	[8 Degrees] supress				
West war and the second	Exposure routes	Method	Dose	Species	Source
ide on a	an beligitaria and				Source
	oral	LD50	14130 mg/kg	Rat.	
	dermal	LD50	>5000 mg/kg	Rat.	
	inhalative (6 h) vapour	LC50	(23,8) mg/i	Rat.	

Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

Irritation and corrosivity

Irritant effect on the skin: slightly irritant but not relevant for classification. Irritant effect on the eye: slightly irritant but not relevant for classification.

Sensitising effects

Product is: no danger of sensitization.



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n-butyl acetate:

Subchronic inhalative toxicity (Rat.) NOAEC = 500 ppm (90d, EPA OTS 798.2450)

Carcinogenic/mutagenic/toxic effects for reproduction

n-butyl acetate:

No experimental indications of mutagenicity in-vitro exist.

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12.1. Toxicity

G. Hay			130 3	STATE OF THE PARTY.		
Tanker.	Aquatic toxicity	Method	Dose	h	Species	Source
	producting dena			SALE DE L'ANNE D		Source State of the state of th
	Acute fish toxicity	LC50	62 mg/l	98	Laurianus idus	THE PERSON NAMED IN
			oz mgn	90	Leuciscus idus	MSDS extern

12.2. Persistence and degradability

n-butyl acetate:

OECD 301D / EEC 92/69 annex V, C.4-E = 83%

ethyl acetate: > 60%

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	
123-86-4	n-butyl acetate	Log Pow
Mobility in	- Personal Approximation	1,81

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

Further information

Do not empty into drains or the aquatic environment.

SERVICE OF EUROPEAN CONTROL OF THE

13.1. Waste treatment methods

Advice on disposal

Waste disposal according to official state regulations. Consult the local waste disposal expert about waste disposal.

Waste disposal number of waste from residues/unused products

WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; 160305 organic wastes containing dangerous substances Classified as hazardous waste.

Waste disposal number of used product

WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing dangerous substances Classified as hazardous waste.

Waste disposal number of contaminated packaging

WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE 150110 CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances Classified as hazardous waste.



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Figure 38 36 30 3

Contaminated packaging

Cleaned containers may be recycled.

Land transport (ADR/RID)

14.1. UN number: UN1123

14.2. UN proper shipping name: BUTYL ACETATES

14.3. Transport hazard class(es): 3

14.4. Packing group: III
Hazard label: 3

4

Classification code: F1
Limited quantity: 5 L
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

Other applicable information (land transport)

Excepted quantity: E1

Inland waterways transport (ADN)

14.1. UN number: UN1123

14.2. UN proper shipping name: BUTYL ACETATES

14.3. Transport hazard class(es): 3
14.4. Packing group:

Hazard label: 3



Classification code: F1 Limited quantity: 5 L

Other applicable information (inland waterways transport)

Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN1123

14.2. UN proper shipping name: BUTYL ACETATES

14.3. Transport hazard class(es): 3
14.4. Packing group: III

Hazard label: 3



Marine pollutant: NO Special Provisions: 223 Limited quantity: 5 L



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EmS: F-E, S-D

Other applicable information (marine transport) Excepted quantity: E1

Air transport (ICAO)

14.1. UN number:

14.2. UN proper shipping name:

14.3. Transport hazard class(es):

14.4. Packing group: Hazard label:

UN1123

BUTYL ACETATES

3 III 3

A3 A58 A180

Special Provisions:

Limited quantity Passenger:

IATA-packing instructions - Passenger: IATA-max. quantity - Passenger: IATA-packing instructions - Cargo: IATA-max. quantity - Cargo:

353 5L

364 60 L

14.5. Environmental hazards

Dangerous for the environment:

no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code No information available.

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

EU regulatory information

1999/13/EC (VOC):

~100 % Data concerning the Directive 1999/13/EC on the limitation of

emissions of volatile organic compounds (VOC-RL)

National regulatory information

Employment restrictions:

Observe employment restrictions for young people.

Water contaminating class (D):

1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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Changes

Rev. 1.0 Neuerstellung 02.04.2013

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

Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods



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Safety Data Sheet

according to Regulation (EC) No 1907/2006



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)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LC50: Lethal concentration, 50 percent

LD50: Lethal dosis, 50 percent NOAEL: No observed effect Level DNEL: Derived No Effect Level

PNEC: predicted no effect concentration

Full text of R phrases referred to under Sections 2 and 3

Flammable.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

Full text of H statements referred to under Sections 2 and 3

Flammable liquid and vapour. H336 May cause drowsiness or dizziness.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)