

**Safety Data Sheet (1907/2006/EC)**

Material: 60008010

ELASTOSIL® N10 TRANSPARENT

Version: 4.3 (GB)

Date of print: 21.11.2019

Date of last alteration: 19.11.2019

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Commercial product name:** ELASTOSIL® N10 TRANSPARENT**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use of substance / preparation:

Industrial.

Adhesive / sealant .

**1.3 Details of the supplier of the safety data sheet**

Manufacturer/distributor:

Wacker Chemie AG

Street/POB-No.:

Hanns-Seidel-Platz 4

State/postal code/city:

D 81737 München

Telephone:

+49 89 6279-0

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Information about the Safety Data Sheet:

Telephone

+49 8677 83-4888

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+49 8677 886-9722

eMail

WLCP-MSDS@wacker.com

**1.4 Emergency telephone number****Emergency Information:****+44 1273 289451****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008:

Hazard class	Hazard category	Route of exposure	H-Code
Carcinogenicity	Category 2		H351
Reproductive toxicity	Category 1B (impair fertility)		H360F
Reproductive toxicity	Category 1B (developmental toxicity)		H360D

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008:

Pictogram(s):



Signal Word: Danger

H-Code	Hazard Statements
H351	Suspected of causing cancer.
H360FD	May damage fertility. May damage the unborn child.

P-Code	Precautionary Statements
P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P280	Wear protective gloves/protective clothing/eye protection.
P405	Store locked up.
P501	Dispose of contents/container to waste disposal.

Hazard ingredients (labelling):

2-Butanone oxime

Silicic acid, tetraethyl ester, RP with bis(acetyloxy)dibutylstannane

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Code	Additional Labelling
EUH208	Contains methylbutane-2-one-trioximo-silane, 2-butanone oxime, butan-2-ontetraoximosilane, 3-(2-aminoethylamino)propyl trimethoxysilane. May produce an allergic reaction.
	Restricted to professional users.

**2.3 Other hazards**

During the use of the product, 2-butanone oxime (methyl ethyl ketoxime, MEKO, CAS No. 96-29-7) is generated, which evaporates. 2-butanone oxime is classified as a health risk.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

not applicable

**3.2 Mixtures****3.2.1 Chemical characteristics**

Polydimethylsiloxane and fillers and auxiliaries and oximosilane cross-linker

**3.2.2 Hazardous ingredients**

Type	CAS No.	EC-No. REACH no.	Substance	Content %	Classification according to Regulation (EC) No. 1272/2008*	Comment
INHA	22984-54-9	245-366-4 01-2119987100-43	Methyl-O,O',O''-butan-2-on-trioximo-silane	<7	STOT RE 2; H373 Eye Irrit. 2; H319 Skin Sens. 1B; H317	[1]
INHA	96-29-7	202-496-6 01-2119539477-28	2-Butanone oxime	<2	Eye Dam. 1; H318 Skin Sens. 1; H317 Carc. 2; H351 Acute Tox. 4 dermal; H312	[1]
INHA	93925-42-9	300-344-4 01-2119560586-30	Silicic acid, tetraethyl ester, RP with bis(acetyloxy)dibutylstannane	<1	Flam. Liq. 3; H226 STOT RE 1; H372 Eye Dam. 1; H318 Acute Tox. 4 oral; H302 Aquatic Chronic 3; H412 Acute Tox. 4 by inhalation; H332 Repr. 1B; H360D Repr. 1B; H360F Muta. 2; H341 STOT SE 1; H370	[1]
INHA	1760-24-3	217-164-6 01-2119970215-39	3-(2-Aminoethylamino)propyl trimethoxysilane	<1	Skin Sens. 1B; H317 Eye Dam. 1; H318	[1]
INHA	34206-40-1	251-882-0	Butanone tetraoximo silane	<0,5	Skin Sens. 1B; H317 Eye Irrit. 2; H319 STOT RE 2; H373	[1]

Type: INHA: ingredient, VERU: impurity

[1] = Hazardous or environmentally harmful substance; [2] = substance with a Community workplace exposure limit; [3] = PBT substance; [4] = vPvB substance

\*Classification codes are explained in section 16.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above  $\geq 0.1\%$ .

**SECTION 4: First aid measures**

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## 4.1 Description of first aid measures

### General information:

Take persons to a safe place. Observe self-protection for first aid.

### After contact with the eyes:

Rinse immediately with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice in case of continuous irritation.

### After contact with the skin:

Remove contaminated or soaked clothing. Immediately rinse with plenty of soap and water. In serious cases, use emergency shower immediately. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

### After inhalation:

Keep the patient calm. If unconscious place in stable sideways position. Protect against loss of body heat. Seek medical advice and clearly identify substance.

### After swallowing:

If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice and clearly identify substance.

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

Any relevant information can be found in other parts of this section.

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

Product may cause cancer. In the event of prolonged contact with the substance, long-term monitoring of relevant parameters is advisable.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media:

water spray , extinguishing powder , alcohol-resistant foam , carbon dioxide , sand .

#### Extinguishing media which must not be used for safety reasons:

water jet .

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: nitrous gases .

### 5.3 Advice for firefighters

#### Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours.

### 6.2 Environmental precautions

Prevent material from entering sewers or surface waters.

### 6.3 Methods and material for containment and cleaning up

Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

### 6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling****General information:**

Avoid exposure - obtain special instructions before use.

**Precautions for safe handling:**

Ensure adequate ventilation. Keep away from incompatible substances in accordance with section 10.

**Precautions against fire and explosion:**

Observe the general rules for fire prevention.

**7.2 Conditions for safe storage, including any incompatibilities****Conditions for storage rooms and vessels:**

none known

**Advice for storage of incompatible materials:**

not applicable

**Further information for storage:**

Protect against moisture. Keep container tightly closed and store in a cool, well ventilated place.

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Maximum airborne concentrations at the workplace:**

not applicable

**Further information:**

The exposure to the hydrolysis product MEKO (CAS-Nr. 96-29-7) should be restricted under consideration of local legislations and national and international health standards.

**8.2 Exposure controls****8.2.1 Exposure in the work place limited and controlled****General protection and hygiene measures:**

Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Do not eat, drink or smoke when handling. Wash hands at the end of work and before eating. Avoid exposure of the substance to pregnant women.

**Personal protection equipment:****Respiratory protection**

If inhalative exposure above the occupational exposure limit cannot be excluded, adequate respiratory protection equipment must be used. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136. Recommended Filter type: Gas filter type ABEK (certain inorganic, organic and acidic gases and vapors; ammonia/amines), according to acknowledged standards such as EN 14387

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136.

Recommended Filter type: Combined filter type ABEK-P2 (certain inorganic, organic and acidic gases and vapors; ammonia/amines; particles), according to acknowledged standards such as EN 14387

Observe the equipment manufacturer's information and wear time limits for respirators.

**Eye protection**

protective goggles .

**Hand protection**

Gloves are required at all times when handling the material.

Recommended glove types: Protective gloves made of nitrile rubber  
thickness of the material: > 0,4 mm

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Breakthrough time: 10 - 30 min

Recommended glove types: Protective gloves made of butyl rubber  
thickness of the material: > 0,3 mm

Breakthrough time: &gt; 480 min

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

**Skin protection**

protective clothing .

**8.2.2 Exposure to the environment limited and controlled**

Prevent material from entering surface waters and soil.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Property:	Value:	Method:
<b>Appearance</b>		
Physical state .....	liquid	
Colour.....	colourless	
<b>Odour</b>		
Odour .....	faint	
<b>Odour limit</b>		
Odour limit.....	no data available	
<b>pH-Value</b>		
pH-Value .....	not applicable	
<b>Melting point/freezing point</b>		
Melting point / melting range .....	not applicable	
<b>Initial boiling point and boiling range</b>		
Boiling point / boiling range .....	not applicable	
<b>Flash point</b>		
Flash point.....	not applicable	
<b>Evaporation rate</b>		
Evaporation rate .....	no data available	
<b>Upper/lower flammability or explosive limits</b>		
Lower explosion limit (LEL) .....	not applicable	
<b>Vapour pressure</b>		
Vapour pressure.....	not determined	
<b>Solubility(ies)</b>		
Water solubility / miscibility .....	virtually insoluble	
<b>Vapour density</b>		
Relative gas/vapour density .....	No data known.	
<b>Relative Density</b>		
Relative Density .....	ca. 1,02 (23 °C) (Water / 4 °C = 1,00)	(DIN 53217)
Density .....	ca. 1,02 g/cm <sup>3</sup> (23 °C)	(DIN 53217)
<b>Partition coefficient: n-octanol/water</b>		
Partition coefficient: n-octanol/water.....	No data known.	
<b>Auto-ignition temperature</b>		
Ignition temperature .....	ca. 404 °C	(EN 14522)
<b>Decomposition temperature</b>		
Thermal decomposition .....	No decomposition when used according to regulations.	
<b>Viscosity</b>		
Viscosity (dynamic) .....	8000 mPa.s at 23 °C	(Brookfield)
<b>Molecular mass</b>		
Molecular mass .....	not applicable	

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**9.2 Other information**

Solubility in water: Hydrolytic decomposition occurs.

**SECTION 10: Stability and reactivity****10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

**10.4 Conditions to avoid**

moisture .

**10.5 Incompatible materials**

none known

**10.6 Hazardous decomposition products**

By hydrolysis: 2-butanone oxime . Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****11.1.1 Acute toxicity****Product details:**

Route of exposure	Result/Effect	Species/Test system	Source
Oral	LD50: > 2009 mg/kg	Rat	Conclusion by analogy
dermal	LD50: > 2009 mg/kg	Rat	Conclusion by analogy

**11.1.2 Skin corrosion/irritation****Product details:**

Result/Effect	Species/Test system	Source
not irritating	Rabbit	Conclusion by analogy

**11.1.3 Serious eye damage / eye irritation****Product details:**

Result/Effect	Species/Test system	Source
not irritating	Rabbit	Conclusion by analogy

**11.1.4 Respiratory or skin sensitization****Product details:**

Route of exposure	Result/Effect	Species/Test system	Source
dermal	not sensitizing	Guinea pig; Buehler Test	test report OECD 406

**11.1.5 Germ cell mutagenicity****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.6 Carcinogenicity****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

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**11.1.7 Reproductive toxicity****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.8 Specific target organ toxicity (single exposure)****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.9 Specific target organ toxicity (repeated exposure)****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.10 Aspiration hazard****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.11 Further toxicological information**

Hydrolysis product / Impurity: 2-Butanone oxime (MEKO, CAS 96-29-7) is a dermal sensitizer and strongly irritating to the eyes. 2-Butanone oxime is rapidly absorbed from the gastrointestinal tract, upon contact with skin and after inhalation. After oral exposure of rats to MEKO in an acute neurotoxicity study, transient motor incoordination effects were observed. Prolonged exposure of animals led to damages of the olfactory epithelium and to an increase in the incidence of corneal dystrophy and opacities. Systemic effects in repeated dose studies (oral, inhalative) were hemolytic anemia and compensatory and extramedullary hematopoiesis as well as hemosiderosis in spleen and liver and increased levels of methemoglobin. In several of these studies, the effects were reversible. Gross histopathologic alterations were seen in spleen, lung and kidney. After chronic inhalative exposure to high vapor concentrations an increased incidence of hepatocellular carcinomas and adenomas was observed predominantly in male rats and mice. The significance of these results to human users has not been assessed.

**SECTION 12: Ecological information****12.1 Toxicity****Assessment:**

Evaluation on basis of physical-chemical properties: No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

**12.2 Persistence and degradability****Assessment:**

Biologically not degradable.

**12.3 Bioaccumulative potential****Assessment:**

Bioaccumulation is not expected to occur.

**12.4 Mobility in soil****Assessment:**

No data known.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Other adverse effects**

none known

**12.7 Additional information**

In cross-linked state not soluble in water. Easily separable from water by filtration.

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods****13.1.1 Material**

Recommendation:

Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

**13.1.2 Uncleaned packaging**

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

**13.1.3 Waste Disposal Legislation Ref.No.(EC)**

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**SECTION 14: Transport information****14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group****Road ADR:**

Valuation .....: Not regulated for transport

**Railway RID:**

Valuation .....: Not regulated for transport

**Transport by sea IMDG-Code:**

Valuation .....: Not regulated for transport

**Air transport ICAO-TI/IATA-DGR:**

Valuation .....: Not regulated for transport

**14.5 Environmental hazards**

Hazardous to the environment: no

**14.6 Special precautions for user**

Relevant information in other sections has to be considered.

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

Bulk transport in tankers is not intended.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

**Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III):**

Not applicable

**Relevant regulations:**

SI 2002/1689: CHIP Regulations 2002

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health &amp; Safety at Work Regulations 1999

Health &amp; Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 &amp; Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

**Other specifications, restrictions and prohibitions:**

REACH Annex XVII: This product contains dibutyltin compounds in an amount of over 0.1 wt.%. Annex XVII, entry 20, of



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regulation 1907/2006, in its current version, must be taken into account.

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Banned and/or restricted

## 15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

## 15.3 Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

Australia .....	: AICS (Australian Inventory of Chemical Substances): This product is listed in, or complies with, the substance inventory.
China.....	: IECSC (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.
Canada .....	: DSL (Domestic Substance List): This product is listed in, or complies with, the substance inventory.
Philippines.....	: PICCS (Philippine Inventory of Chemicals and Chemical Substances): This product is listed in, or complies with, the substance inventory.
United States of America (USA).....	: TSCA (Toxic Substance Control Act Chemical Substance Inventory): All components of this product are listed as active or are in compliance with the substance inventory.
Taiwan .....	: TCSI (Taiwan Chemical Substance Inventory): This product is listed in, or complies with, the substance inventory. General note: The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.
European Economic Area (EEA).....	: REACH (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.
South Korea (Republic of Korea) .....	: AREC (Act on Registration and Evaluation of Chemicals; "K-REACH"): General note: in case of registration obligations for substances or polymers imported into Korea or manufactured within Korea these are fulfilled by the supplier mentioned in section 1. The registration obligations for substances or polymers imported into Korea by customers or other downstream users must be fulfilled by the latter.

## SECTION 16: Other information

### 16.1 Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

WACKER restricts the use of its products inside the human body or in contact with bodily fluids and mucosa. For further details please review our Health Care Policy on [www.wacker.com](http://www.wacker.com). WACKER may cancel any delivery obligation(s) if the Health Care Policy is not observed.

### 16.2 Further information:

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

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## Explanation of the GHS classification code:

- STOT RE 2; H373 ..... : Specific target organ toxicity - repeated exposure Category 2; May cause damage to organs through prolonged or repeated exposure.
- Eye Irrit. 2; H319..... : Serious eye damage/eye irritation Category 2; Causes serious eye irritation.
- Skin Sens. 1B; H317 . : Skin sensitisation Category 1B; May cause an allergic skin reaction.
- Eye Dam. 1; H318 ..... : Serious eye damage/eye irritation Category 1; Causes serious eye damage.
- Skin Sens. 1; H317..... : Skin sensitisation Category 1; May cause an allergic skin reaction.
- Carc. 2; H351 ..... : Carcinogenicity Category 2; Suspected of causing cancer.
- Acute Tox. 4; H312..... : Acute toxicity Category 4; Harmful in contact with skin.
- Flam. Liq. 3; H226 ..... : Flammable liquids Category 3; Flammable liquid and vapour.
- STOT RE 1; H372 ..... : Specific target organ toxicity - repeated exposure Category 1; Causes damage to organs through prolonged or repeated exposure.
- Eye Dam. 1; H318 ..... : Serious eye damage/eye irritation Category 1; Causes serious eye damage.
- Acute Tox. 4; H302..... : Acute toxicity Category 4; Harmful if swallowed.
- Aquatic Chronic 3; H412 Long-term (chronic) aquatic hazard Category 3; Harmful to aquatic life with long lasting effects.  
..... :
- Acute Tox. 4; H332..... : Acute toxicity Category 4; Harmful if inhaled.
- Repr. 1B; H360D ..... : Reproductive toxicity Category 1B (developmental toxicity); May damage the unborn child.
- Repr. 1B; H360F..... : Reproductive toxicity Category 1B (impair fertility); May damage fertility.
- Muta. 2; H341 ..... : Germ cell mutagenicity Category 2; Suspected of causing genetic defects.
- STOT SE 1; H370..... : Specific target organ toxicity - single exposure Category 1; Causes damage to organs.
- Skin Sens. 1B; H317 . : Skin sensitisation Category 1B; May cause an allergic skin reaction.
- Eye Dam. 1; H318 ..... : Serious eye damage/eye irritation Category 1; Causes serious eye damage.
- Skin Sens. 1B; H317 . : Skin sensitisation Category 1B; May cause an allergic skin reaction.
- Eye Irrit. 2; H319..... : Serious eye damage/eye irritation Category 2; Causes serious eye irritation.
- STOT RE 2; H373 ..... : Specific target organ toxicity - repeated exposure Category 2; May cause damage to organs through prolonged or repeated exposure.

Classification	Rationale:
Carcinogenicity, Category 2	Calculation method
Reproductive toxicity, Category 1B (impair fertility)	Calculation method
Reproductive toxicity, Category 1B (developmental toxicity)	Calculation method

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