

CFS-IS / CP 611A

Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

Version:10.6

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Supersedes: 2022/05/25

SECTION 1 Chemical product and company identification

Product identifier

Product form Mixture
Trade name CFS-IS / CP 611A
Product code BU Fire Protection
Chemical Chinese name
Chemical English name



Product group Trade product
Recommended use of the chemical Firestop intumescent sealant

Details of the supplier of the safety data sheet

Supplier

Hilti (China) Ltd.
8F, Tower 2, No.58 Yao Yuan Rd.
Pudong District
200126 Shanghai - China
T +86 21 6016 7316

Department issuing data specification sheet

Hilti AG
Feldkircherstraße 100
9494 Schaan - Liechtenstein
T +423 234 2111
product.compliance-fire.protection@hilti.com

Emergency telephone number

Emergency number Emergency CONTACT (24-Hour-Number)
GBK GmbH Global Regulatory Compliance
+49 (0)6132-84463

Country	Organisation/Company	Address	Emergency number
China	中国境内化学事故应急咨询电话 / chemical accident emergency consultation service hotline (24/7)		+86 532 83889090

SECTION 2 Hazards identification

Emergency overview

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Treat symptomatically. Pasty, dark grey. The product is non-reactive under normal conditions of use, storage and transport. May cause long-term adverse effects in the environment. Equip cleanup crew with proper protection

GHS hazard classification

Health hazards	Skin sensitization, Category 1 Reproductive toxicity, Category 2
Environmental hazards	Hazardous to the aquatic environment - Acute hazard, Category 2 Hazardous to the aquatic environment - Chronic hazard, Category 3
Other hazards not mentioned above	Not applicable or No data is available.

Label elements

Hazard pictograms (GHS CN)	
Signal word (GHS CN)	Warning.
Hazard statements (GHS CN)	H317 - May cause an allergic skin reaction H361 - Suspected of damaging fertility or the unborn child H401 - Toxic to aquatic life H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS CN)

Prevention measures	P280 - Wear eye protection, protective clothing, protective gloves.
Incident response	P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P308+P313 - IF exposed or concerned: Get medical advice/attention.
Safe storage	P402 - Store in a dry place. P411 - Store at temperatures not exceeding 5-25° C.
Disposal	P501 - 依据当地法律法规，合规废弃处置 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Physical and chemical hazards

No additional information available

Health hazards

May cause an allergic skin reaction	
Suspected of damaging fertility or the unborn child	
Symptoms/effects after inhalation	May cause an allergic skin reaction.
Symptoms/effects after skin contact	May cause an allergic skin reaction.

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Environmental hazards

Toxic to aquatic life
Harmful to aquatic life with long lasting effects

Other hazards

No additional information available

SECTION 3 Composition/information on ingredients

Product form Mixture.

Ingredient(s)	Concentration or concentration ranges (w/w %)	CAS No.
hexaboron dizinc undecaoxide, heptahydrate	5 - 10	138265-88-0
polypropylene glycol alkyl phenyl ether	2.5 - 5	9064-13-5

SECTION 4 First-aid measures

Description of necessary first-aid measures

First-aid measures general	Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	Allow affected person to breathe fresh air. Allow the victim to rest
First-aid measures after skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of water/... If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse.
First-aid measures after eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention

Most important symptoms/effects

Symptoms/effects after inhalation	May cause an allergic skin reaction.
Symptoms/effects after skin contact	May cause an allergic skin reaction.

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Advices for first aid responders

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Notes for the doctor

Other medical advice or treatment Treat symptomatically

SECTION 5 Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Foam Dry powder Carbon dioxide Water spray Sand
Unsuitable extinguishing media	Do not use a heavy water stream

Specific hazards

Hazardous decomposition products in case of fire	Carbon dioxide Carbon monoxide
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Advice for firefighters and protective measures

Firefighting instructions	Use water spray or fog for cooling exposed containers Exercise caution when fighting any chemical fire Prevent fire fighting water from entering the environment
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures	No additional information available
Personal Precautions, Protective Equipment and Emergency Procedures	No additional information available

For non-emergency personnel

Emergency procedures	Evacuate unnecessary personnel
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For emergency responders

Protective equipment	Equip cleanup crew with proper protection
Emergency procedures	Ventilate area

Environmental precautions

Avoid release to the environment
Prevent entry to sewers and public waters
Notify authorities if liquid enters sewers or public waters

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Methods and material for containment and cleaning up

Methods for cleaning	No additional information available
For containment	No additional information available

Prevention measures for secondary accidents

Prevention Measures for Secondary Accidents	No additional information available
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SECTION 7 Handling and storage

Handling

Precautions for safe handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work Provide good ventilation in process area to prevent formation of vapour Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Hygiene measures	Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
Local and general ventilation	No additional information available

Storage

Storage conditions	Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use
Material used in packaging/containers	No additional information available
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight.
Storage temperature	5 - 25 ° C

SECTION 8 Exposure controls / Personal protection equipment

Occupational exposure limits

No additional information available

Biological limit values

No additional information available

Monitoring methods

No additional information available

Appropriate engineering controls

No additional information available

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Personal protective equipment

Personal protective equipment	Protective clothing Safety glasses Gloves Avoid all unnecessary exposure
Other information	Do not eat, drink or smoke during use
Hand protection	Protective gloves ISO 374-1 Wear protective gloves.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves.	Nitrile rubber (NBR).	1 (> 10 minutes).	>0.4		EN ISO 374.

Eye protection Chemical goggles or safety glasses

Type	Field of application	Characteristics	Standard
Safety glasses.			EN 166, EN 170.

Skin and body protection

Wear suitable protective clothing

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)



SECTION 9 Physical and chemical properties

Physical state	Solid
Appearance	Pasty
Colour	dark grey
Odour	characteristic
Odour threshold	Not determined.
pH	8.5
Melting point	Not applicable
Freezing point	Not applicable
Boiling point	Not applicable
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability	Non flammable.
Vapour pressure	No data available
Relative vapour density at 20° C	No data available
Density	1.4 g/cm ³
Solubility	No data available

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Partition coefficient n-octanol/water (Log Pow)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Radioactive	No

SECTION 10 Stability and reactivity

Chemical stability	Not established
Reactivity	The product is non-reactive under normal conditions of use, storage and transport
Possibility of hazardous reactions	Not established
Conditions to avoid	Direct sunlight. Extremely high or low temperatures
Incompatible materials	Strong acids Strong bases
Hazardous decomposition products	fume Carbon monoxide Carbon dioxide
Other properties	No additional information available

SECTION 11 Toxicological information

Acute toxicity

Acute toxicity (oral)	No data available
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	No data available

hexaboron dizinc undecaoxide, heptahydrate (138265-88-0)

LD50 oral rat	> 5000 mg/kg bodyweight (FIFRA (40 CFR), Rat, Male / female, Experimental value of similar product, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value of similar product, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 4.95 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Read-across, Inhalation (dust), 14 day(s))

polypropylene glycol alkyl phenyl ether (9064-13-5)

LD50 oral rat	> 5000 mg/kg
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Skin corrosion/irritation

Skin corrosion/irritation	No data available
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pH	8.5
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Serious eye damage/eye irritation

Serious eye damage/irritation	No data available
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pH 8.5

Respiratory or skin sensitisation

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity

Germ cell mutagenicity No data available

Carcinogenicity

Carcinogenicity No data available

Reproductive toxicity

Reproductive toxicity Suspected of damaging fertility or the unborn child.

STOT - single exposure

STOT-single exposure No data available

STOT - repeated exposure

STOT-repeated exposure No data available

Aspiration hazard

Aspiration hazard No data available

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Density 1.4 g/cm³

SECTION 12 Ecological information

Ecotoxicity

Ecology - water Harmful to aquatic life with long lasting effects.
 Hazardous to the aquatic environment, short-term (acute) Toxic to aquatic life.
 Hazardous to the aquatic environment, long-term (chronic) Harmful to aquatic life with long lasting effects.

hexaboron dizinc undecaoxide, heptahydrate (138265-88-0)

LC50 - Fish [1]	169 µg/l (ASTM E729-88, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across)
EC50 - Crustacea [1]	155 - 413 µg/l (US EPA, 48 h, Ceriodaphnia dubia, Static system, Fresh water, Read-across)
BCF - Fish [1]	116 - 60960 (21 day(s), Semi-static system, Marine water, Read-across, Fresh weight)

polypropylene glycol alkyl phenyl ether (9064-13-5)

LC50 - Fish [1]	> 10 - < 100 mg/l Leuciscus idus
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EC50 - Crustacea [1]	> 100 mg/l Daphnia magna (OECD-Richtlinie 202, Teil 1, statisch)
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Persistence and degradability

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Persistence and degradability May cause long-term adverse effects in the environment

hexaboron dizinc undecaoxide, heptahydrate (138265-88-0)

Not rapidly degradable	Yes
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Bioaccumulative potential

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Bioaccumulative potential Not established

hexaboron dizinc undecaoxide, heptahydrate (138265-88-0)

Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000)
BCF - Fish [1]	See section 12.1 on ecotoxicology116 - 60960 (21 day(s), Semi-static system, Marine water, Read-across, Fresh weight)

Mobility in soil

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Bioaccumulative potential Not established

hexaboron dizinc undecaoxide, heptahydrate (138265-88-0)

Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000)
Surface tension	Data waiving
Ecology - soil	Adsorbs into the soil.

Other adverse effects

Classification procedure (Ozone) No data available
 Other information Avoid release to the environment.

Results of PBT and vPvB assessment

PBT This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
 vPvB This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 13 Disposal considerations

Waste treatment methods Dispose in a safe manner in accordance with local/national regulations.
Contaminated container and packaging No additional information available
Additional information No additional information available
Product/Packaging disposal recommendations Dispose in a safe manner in accordance with local/national regulations
 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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Ecological information Avoid release to the environment.

SECTION 14 Transport information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available			

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15 Regulatory information

New Chemical Substance Environmental Management Registration Measures (MEE Order 12 of 2020)

Inventory of Existing Chemical Substances in China (IECSC) Listed

Regulations on the Safe Management of Hazardous Chemicals (Decree 591 of the State Council)

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Catalogue of Hazardous Chemicals (2015)	Not listed
Identification of major hazard installations for dangerous chemicals (GB 18218)	Not listed
Catalogue of Severely Restricted Toxic Chemicals	Not listed
Catalogue of Explosive Precursor Dangerous Chemicals	Not listed
Catalogue of Hazardous Chemicals Prohibited from Inland Waterway Transport	Not listed
Regulations on Administration of Chemicals Subjected to Supervision and Control	
Catalogue of Controlled Chemicals	Not listed
Regulation on the Administration of Precursor Chemicals (Decree 445 of the State Council)	
Catalogue of Precursor Chemicals	Not listed
Regulations on Administration of Ozone Depleting Substances (Decree 573 of the State Council)	
List of Ozone-Depleting Substances under Control in China	Not listed
Other domestic regulatory lists	
Dangerous Goods List (GB 12268-2012)	Not listed
List of Export Control of Chemical Agents and Related Equipment and Technologies	Not listed
List of Goods Prohibited from Export or Import	Not listed
Inventory of Hazardous Chemicals under Key Supervision	Not listed

SECTION 16 Other information

Data sources REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Other information None

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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.