



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE

Form This substance/ mixture contains nanoforms

Other means of identification

Pure substance/mixture Mixture

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

Recommended use Adhesives

Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik Industries Limited
IDA Business & Technology Park
Ballynattin, Arklow,
Co. Wicklow
Ireland
Y14 A370
Tel : +353 (0)402 32370

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

Ireland **NPIC - National Poison Information Centre**
Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week)
Healthcare Professionals: +353 (01) 8092566 (24 hour service)

United Kingdom Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri)

Europe 112

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)
Skin irritation	Category 2 - (H315)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Category 3 Target organ effects: Narcotic effects.	
Hazardous to the aquatic environment - chronic	Category 2 - (H411)

2.2. Label elements

Contains Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; Hydrocarbons, C6, isoalkanes, <5% n-hexane

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03



Signal word
Danger

Hazard statements

H225 - Highly flammable liquid and vapour.
H315 - Causes skin irritation.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P264 - Wash face, hands and any exposed skin thoroughly after handling
P273 - Avoid release to the environment
P280 - Wear protective gloves and eye/face protection
P391 - Collect spillage
P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

PBT & vPvB

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics RR-100219-3	10 - <20	01-2119475515-33-xxxx	927-510-4	STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225)	-	-	-	-
Hydrocarbons, C6,	5 - <10	01-2119484651	931-254-9	STOT SE 3 (H336)	-	-	-	P

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

isoalkanes, <5% n-hexane 64742-49-0		-34-XXXX		Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam Liq. 2 (H225) (EUH066) [E]				
Isopropyl alcohol 67-63-0	0.1 - <0.5	01-2119457558 -25-XXXX	200-661-7 (603-117-00-0)	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	-	-	-	-
n-Hexane contained in UVCB 110-54-3	0.1 - <0.5	-	203-777-6 (601-037-00-0)	Skin Irrit. 2 (H315) Repr. 2 (H361 f) STOT SE 3 (H336) STOT RE 1 (H372) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225)	-	-	-	-
Quartz 14808-60-7	0.1 - <0.5	[5]	238-878-4	[B]	-	-	-	-
Zinc bis(dibutylthiocarbamate) 136-23-2	0.05 - <0.1	01-2119535161 -51-XXXX	205-232-8 (006-081-00-9)	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-	1	10	-

Substances identified by a number starting "RR-" in the CAS-field are substances for which the CAS# is not adopted in EU and we use an internal numbering system to track within our SDS software

NOTE [5] - This substance is exempted from registration according to the provisions of Article 2(7)(b) and Annex V of REACH Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes

[B] - Substance with a Community workplace exposure limit

[E] - Substance is complex UVCB

Note P - The harmonized classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0.1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply.

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No. (Index No.)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	927-510-4	RR-100219-3	-	-	-	-	-
Hydrocarbons, C6, isoalkanes, <5% n-hexane	931-254-9	64742-49-0	16750	3350	-	-	-
Isopropyl alcohol	200-661-7 (603-117-00-0)	67-63-0	-	-	-	-	-
n-Hexane contained in	203-777-6	110-54-3	-	-	-	-	-

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

Chemical name	EC No. (Index No.)	CAS No.	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
UVCB	(601-037-00-0)						
Quartz	238-878-4	14808-60-7	-	-	-	-	-
Zinc bis(dibutylthiocarbamate)	205-232-8 (006-081-00-9)	136-23-2	-	-	-	-	-

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No.	SVHC candidates
n-Hexane contained in UVCB	110-54-3	X

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.

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

Symptoms	Erythema (skin redness). May cause redness and tearing of the eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Effects of Exposure	No information available.

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

Note to doctors	No information available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
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SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supercedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

Unsuitable extinguishing media No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Risk of ignition. Vapours may form explosive mixture with air. Most vapours are heavier than air. Vapours may spread along ground and collect in low or confined areas (sewers, basements, tanks).

Hazardous combustion products Carbon oxides. Carbon monoxide. Carbon dioxide (CO₂). Silicon dioxide.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

Prevention of secondary hazards Eliminate all ignition sources if safe to do so. Residues which cannot be recycled are disposed of as chemical waste. Equipment cleaned with organic solvent, washings are collected and disposed of as solvent waste.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protective equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supercedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep from freezing.

Recommended storage temperature Keep at temperatures between 5 and 25 °C. Do not freeze.

7.3. Specific end use(s)

Specific use(s)
Adhesives.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Ireland	United Kingdom
Carbonic acid, calcium salt (1:1) 471-34-1	-	TWA: 10 mg/m ³ ; total inhalable dust TWA: 4 mg/m ³ ; respirable dust STEL: 30 mg/m ³ (calculated); total inhalable dust STEL: 12 mg/m ³ (calculated); respirable dust	TWA: 10 mg/m ³ ; inhalable dust TWA: 4 mg/m ³ ; respirable dust STEL: 30 mg/m ³ ; inhalable dust STEL: 12 mg/m ³ ; respirable dust
Kaolin 1332-58-7	-	TWA: 2 mg/m ³ ; respirable dust	TWA: 2 mg/m ³ ; respirable dust STEL: 6 mg/m ³ ; respirable dust
Isopropyl alcohol 67-63-0	-	TWA: 200 ppm; STEL: 400 ppm; pSk	TWA: 400 ppm; TWA: 999 mg/m ³ ; STEL: 500 ppm; STEL: 1250 mg/m ³ ;
n-Hexane contained in UVCB 110-54-3	TWA: 20 ppm; TWA: 72 mg/m ³ ;	TWA: 20 ppm; TWA: 72 mg/m ³ ; STEL: 60 ppm (calculated); STEL: 216 mg/m ³ (calculated); pSk	TWA: 20 ppm; TWA: 72 mg/m ³ ; STEL: 60 ppm; STEL: 216 mg/m ³ ;

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

Quartz 14808-60-7	TWA: 0.1 mg/m ³ ;	TWA: 0.1 mg/m ³ ; respirable dust STEL: 0.3 mg/m ³ ;	TWA: 0.1 mg/m ³ ; respirable fraction STEL: 0.3 mg/m ³ ; respirable
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Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (RR-100219-3)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	2085 mg/m ³	
worker Long term Systemic health effects	Dermal	300 mg/kg bw/d	

Hydrocarbons, C6, isoalkanes, <5% n-hexane (64742-49-0)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Systemic health effects Long term	Dermal	13964 mg/kg bw/d	
worker Long term Systemic health effects	Inhalation	2085 mg/m ³	

Isopropyl alcohol (67-63-0)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	500 mg/m ³	
worker Long term Systemic health effects	Dermal	888 mg/kg bw/d	

Quartz (14808-60-7)

Derived No Effect Level (DNEL)

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (RR-100219-3)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	447 mg/m ³	
Consumer Long term Systemic health effects	Dermal	149 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	149 mg/kg bw/d	

Isopropyl alcohol (67-63-0)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	89 mg/m ³	
Consumer	Dermal	319 mg/kg bw/d	

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

Long term Systemic health effects			
Consumer Long term Systemic health effects	Oral	26 mg/kg bw/d	

Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	
Isopropyl alcohol (67-63-0)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	140.9 mg/l
Marine water	140.9 mg/l
Sewage treatment plant	2251 mg/l
Freshwater sediment	552 mg/kg dry weight
Marine sediment	552 mg/kg dry weight
Soil	28 mg/kg dry weight

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas. Ensure that enough fresh air is supplied to dilute and remove dusts, fumes or vapours. Between 5 and 15 air changes per hour are recommended, with a through draught. Vapours/aerosols must be exhausted directly at the point of origin.

Personal protective equipment

Eye/face protection Tight sealing safety goggles. Face protection shield. Eye protection must conform to standard EN 166

Hand protection Wear protective gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.

Skin and body protection Antistatic footwear. Wear fire/flame resistant/retardant clothing. Suitable protective clothing.

Respiratory protection In case of inadequate ventilation wear respiratory protection. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Recommended filter type: Organic gases and vapours filter conforming to EN 14387.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance Liquid
Colour Beige
Odour Solvent.

Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	48 °C	
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	-5 °C	
Autoignition temperature	No data available	None known
Decomposition temperature		None known

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

pH	No data available	Not applicable.	
pH (as aqueous solution)	No data available	None known	
Kinematic viscosity	500 mm ² /s	@ 40°C	
Dynamic viscosity	No data available	Water solubility	Insoluble in water.
None known		Solubility(ies)	No data available
None known		Partition coefficient	No data available
None known		Vapour pressure	<110 kPa
None known		Relative density	No data available
None known		Bulk density	No data available
		Liquid Density	1.18
		Relative vapour density	No data available
None known		Particle characteristics	
		Particle Size	No information available
		Particle Size Distribution	No information available

9.2. Other information

Solid content (%) No information available
VOC content No data available

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks. Do not freeze.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supercedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Redness. May cause redness and tearing of the eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
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Acute toxicity

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	>2000 mg/kg
ATEmix (dermal)	>2000 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	>5 mg/L
ATEmix (inhalation-vapour)	>20 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	LD50 >5840 mg/kg Rat	LD50 >2920 mg/kg (Rattus)	LC50 >23.3 mg/L (4h)(Rat, vapour) (OECD 403)
Hydrocarbons, C6, isoalkanes, <5% n-hexane	>16750 mg/Kg (Rattus)	>3350 mg/Kg (Oryctolagus cuniculus) OECD 402	259354 mg/m ³ (vapour) (rat OECD 403)
Isopropyl alcohol	>5000 mg/Kg	= 4059 mg/kg (Oryctolagus cuniculus)	=72600 mg/m ³ (Rattus) 4 h
n-Hexane contained in UVCB	= 25 g/kg (Rat)	= 3000 mg/kg (Rabbit)	= 48000 ppm (Rat) 4 h
Quartz	>2000 mg/kg (Rattus)	-	-
Zinc bis(dibutyl)dithiocarbamate)	>5000 mg/kg (Rattus)	> 2000 mg/kg (Oryctolagus cuniculus)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Isopropyl alcohol (67-63-0)

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye			Irritant

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Component Information		
Isopropyl alcohol (67-63-0)		
Method	Species	Results
OECD Test No. 476: In Vitro Mammalian Cell Gene Mutation Tests using the Hprt and xprt genes	Hamster, in vitro	Not mutagenic

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
n-Hexane contained in UVCB	Repr. 2

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
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SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics RR-100219-3	ErL50 (72h) = 10-30 mg/L (Pseudokirchneriella subcapitata)	LL50 (96h) >13.4 mg/L (Oncorhynchus mykiss) OECD 203	-	EL50 (48h) = 3.0 mg/L (Daphnia magna)		
Hydrocarbons, C6, isoalkanes, <5% n-hexane 64742-49-0	EL50 (72h) = 13.6 mg/l (Pseudokirchneriella subcapitata)	LL50 (96h) = 18.27 mg/l (Oncorhynchus mykiss)	-	EL50 (48h)= 31.9 mg/l (Daphnia magna)		
Isopropyl alcohol 67-63-0	EC50 72 h > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h > 1400000 ?g/L (Lepomis macrochirus)	-	EC50: =13299mg/L (48h, Daphnia magna)		
n-Hexane contained in UVCB 110-54-3	-	LC50: 2.1 - 2.98mg/L (96h, Pimephales promelas)	-	-		
Zinc bis(dibutyldithiocarbamate) 136-23-2	-	LC50: =880mg/L (96h, Lepomis macrochirus) LC50: =520mg/L (96h, Oncorhynchus mykiss)	-	EC50: =0.74mg/L (48h, Daphnia magna)	1	10

12.2. Persistence and degradability

Persistence and degradability No information available.

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (RR-100219-3)			
Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	98%	Readily biodegradable

Quartz (14808-60-7) Zinc bis(dibutyldithiocarbamate) (136-23-2)			
Method	Exposure time	Value	Results
OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F)	28 days	2% biodegradation	Not readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Hydrocarbons, C6, isoalkanes, <5% n-hexane	3.6
Isopropyl alcohol	0.05
n-Hexane contained in UVCB	4

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	Not PBT/vPvB

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

Hydrocarbons, C6, isoalkanes, <5% n-hexane	Not PBT/vPvB
Isopropyl alcohol	Not PBT/vPvB
n-Hexane contained in UVCB	Not PBT/vPvB
Zinc bis(dibutyldithiocarbamate)	Not PBT/vPvB

12.6. Endocrine disrupting properties Endocrine disrupting properties

Endocrine disruption for the environment Based on available data, the classification criteria are not met.

12.7. Other adverse effects Other adverse effects

Other adverse effects No information available.
PMT or vPvM properties Based on available data, the classification criteria are not met.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Uncured product should be disposed of as hazardous waste. Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Handle contaminated packages in the same way as the product itself.

European Waste Catalogue 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
15 01 10*: Packaging containing residues of or contaminated by dangerous substances

Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Note: The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material. Keep from freezing.

Land transport (ADR/RID)

14.1 UN number or ID number UN1133
14.2 UN proper shipping name Adhesives
14.3 Transport hazard class(es) 3
Labels 3
14.4 Packing group II
Description UN1133, Adhesives, 3, II, (D/E), Environmentally Hazardous
14.5 Environmental hazards Yes
14.6 Special precautions for user
Special Provisions 640D
Classification code F1
Tunnel restriction code (D/E)
Limited quantity (LQ) 5 L
ADR Hazard Id (Kemmler Number) 33

IMDG

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

14.1 UN number or ID number UN1133
14.2 UN proper shipping name Adhesives
14.3 Transport hazard class(es) 3
14.4 Packing group II
Description UN1133, Adhesives, 3, II, (-5°C c.c.), Marine pollutant
14.5 Marine pollutant P
14.6 Special precautions for user
Special Provisions None
Limited Quantity (LQ) 5 L
EmS-No. F-E, S-D
14.7 Maritime transport in bulk according to IMO instruments
Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number UN1133
14.2 UN proper shipping name Adhesives
14.3 Transport hazard class(es) 3
14.4 Packing group II
Description UN1133, Adhesives, 3, II
14.5 Environmental hazards Yes
14.6 Special precautions for user
Special Provisions A3
Limited quantity (LQ) 1 L
ERG Code 3L

SECTION 15: Regulatory information

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59) $\geq 0.1\%$

Chemical name	CAS No.
n-Hexane contained in UVCB	110-54-3

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Export Notification requirements

This product does not contain substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals above the level that triggers a labeling

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

obligation under Regulation (EC) No 1272/2008. Therefore this product is not subject to prior informed consent notification.

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Hydrocarbons, C6, isoalkanes, <5% n-hexane - 64742-49-0		25000

Ozone-depleting substances (ODS) regulation (EC) 2024/590

Not applicable

Persistent Organic Pollutants

Not applicable

REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors

Not applicable

Regulations on drug precursors (EC) No 111/2005 (export) and 273/2004 (internal trade)

This product does not contain any substance(s) on the Drug Precursors list.

National regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of any hazard and/or precautionary statements referred to under Sections 2-15

EUH066 - Repeated exposure may cause skin dryness or cracking

H225 - Highly flammable liquid and vapour

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H372 - Causes damage to organs through prolonged or repeated exposure

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

Notes relating to the identification, classification and labelling of substances

Note P - The harmonized classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0.1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

SVHC: Substances of Very High Concern for Authorisation:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT RE: Specific target organ toxicity - Repeated exposure
STOT SE: Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue
LOW: List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA: International Air Transport Association
ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG: International Maritime Dangerous Goods
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

Legend SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
AGW	Occupational exposure limit value	BGW	Biological limit value
Ceiling	Maximum limit value	Sk*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Chronic aquatic toxicity	Calculation method
Acute aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGl(s))
International Uniform Chemical Information Database (IUCLID)
Japan National Institute of Technology and Evaluation (NITE)
NIOSH (National Institute for Occupational Safety and Health)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set

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Training Advice	Provide adequate information, instruction, and training for operator
Further information	No information available

SAFETY DATA SHEET

EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
Supersedes date 07-Nov-2024

Revision date 23-Mar-2026
Revision Number 2.03

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and Regulation (EC) No. 1272/2008

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet