



# COSHH Risk Assessment



Substance/material: *Evo-STIK EVOGRIP*

Trade name: *'Gripfill' ADHESIVE*

What is the substance used for?

(E.g. cleaning floors, protective coating, etc.) *BONDING (GLUING) 2 PRODUCTS TOGETHER.*

What are the hazardous ingredients/chemicals in the substance? (List below)

*N-HEXANE PROPAN-2-OL  
PENTANE*

Do any of the chemicals have a:

Maximum Exposure Limit? (State opposite) *N HEXANE 20ppm  
PENTANE 600ppm*

Occupational Exposure Standard? (State opposite) *PROPAN 400ppm.*

Is the substance: (Check for an orange 'CHIP' square on the product data sheet or packaging.)

- Extremely flammable?
- Oxidising?
- Very toxic?
- Sensitising?
- Highly flammable?
- Harmful?
- Corrosive?
- Other? (Specify below.)
- Flammable?
- Toxic?
- Irritant?

Is the substance hazardous to health when:

- In contact with skin?
- Breathed in?
- Other (Specify below)
- In contact with eyes?
- Swallowed?

## USE OF SUBSTANCE

How should the substance be used?

(E.g. diluted in water, applied with a brush, sprayed, etc.) *Applied using a mastic style trigger gun.*

How much is used every week?

(State quantity in litres or kilos as appropriate.) *2KG MAXIMUM.*

Who is exposed to the substance?

(E.g. those using it, pupils, service users, etc.) *FITTERS AND OTHER OPERATIVES*

Does the substance present additional risks to certain groups or individuals?

(E.g. young people, expectant mothers.) *No.*

## CONTROL MEASURES

Can a less hazardous substance be used to do the same job?

Yes  No

(If you don't know, please contact your supplier for further information.)

What controls are required for this substance, other than Personal Protective Equipment (PPE)?

(E.g. well ventilated areas, not in spray/mist form, mechanical ventilation, authorised persons only.)

*USE ONLY IN WELL VENTILATED AREAS TO PREVENT THE BUILDUP OF FUMES.*

Is any Personal Protective Equipment (PPE) required when using the substance?



Eye protection? (State type required) *(SEE METHOD STATEMENT)*



Gloves? (State type required) *(SEE METHOD STATEMENT)*



Overalls/clothing? (State type required)



Mask/respirator? (State type required)



Other? (State type required) *VENTILATED AREAS.*

How should the substance be stored? (E.g. locked cupboard, away from other substances, etc.)

*Keep away from heat and sources of ignition, and oxidisers, store in a cool dry place, container must be suitable to eliminate sparks.*

Have persons using this substance been provided with information or training on its use? Yes  No   
 (As a minimum ensure a copy of this assessment is in a known and readily accessible location.)

**OTHER PRECAUTIONS AND EMERGENCY PROCEDURES**

**Spillages:** How should an accidental release/spillage of this substance be dealt with?

Wear necessary PPE. Extinguish all sources of ignition, avoid spills, Avoid run-off to sewers and water courses. Absorb in dry sand and dispose of as contaminated waste.

**First aid:** What actions should be taken if the substance is:

- |   |  |
|---|--|
| a) Swallowed? Do not induce vomiting. if vomiting occurs, keep head low to ensure that stomach content does not get | b) In contact with eyes?   |
| c) In contact with skin? into lungs. Wash affected area from sources of contamination.                              | d) Inhaled? Moved exposed person to fresh air at once. Get medical attention at once |
| e) Other? (Please specify.)   |  |

**Fire precautions:** What actions should be taken in the event of fires involving this substance?

Use water, foam or CO2 extinguishes. Specialist dry chemicals and sand can also be used. Keep run-off contained to prevent access into water courses.

**Chemical reactions:** Is there any other substance that this substance must not come into contact with?

Nil

**Disposal:** How should the substance be disposed of (or not disposed of)?

Classified as special waste, by an authorised contractor only.

**Health surveillance:** Do staff using the substance require any health surveillance?

No.

**ASSESSMENT OF RISK**

Are all the controls detailed above currently in place? Yes  No

If these controls are not in place, or additional controls are required, state action to be taken.

Please note - COSHH substances must NOT be used if adequate control measures are not in place.

Remedial actions required	Date for completion

Are hazards to health adequately controlled with all control measures in place? Yes  No

Assessor(s) name: Marcus Lynch	Assessor(s) signature: 	Date: 23-11-09.
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The Line Manager should sign below to show that the assessment is a correct and reasonable reflection of the hazards and of the control measures and actions required.

**A copy of the product safety data sheet must be attached to this assessment.**



## SAFETY DATA SHEET

### EVO-STIK EVOGRIP MULTI-PURPOSE GAPFIL

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME EVO-STIK EVOGRIP MULTI-PURPOSE GAPFIL  
 PRODUCT NO. 124820, 124882, 124837, 124790, 124806  
 SUPPLIER BOSTIK LIMITED  
 COMMON ROAD  
 STAFFORD  
 STAFFORDSHIRE  
 ST16 3EH  
 +44 1785 272625  
 +44 1785 272650 (24 HOUR)  
 sds.uk@bostik.com

#### 2 HAZARDS IDENTIFICATION

Highly flammable. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vapours are heavier than air and can travel long distances to a source of ignition Pilot lights can ignite the vapour Vapours may cause drowsiness and dizziness

CLASSIFICATION F;R11. N;R51/53. R67.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
CYCLOPENTANE	206-016-6	287-92-3	1-5%	F;R11 R52/53
HEPTANE AND ISOMERS			5-10%	Xn;R65. Xi;R38. F;R11. N;R50/53. R67.
HEXANE, MIXTURE OF ISOMERS			5-10%	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
METHYLCYCLOHEXANE	203-624-3	108-87-2	1-5%	F;R11 Xn;R65 Xi;R38 R67 N;R51/53
N-HEXANE	203-777-6	110-54-3	< 1%	F;R11 Repr. Cat. 3;R62 Xn;R65,R48/20 Xi;R38 R67 N;R51/53
PENTANE	203-692-4	109-66-0	< 1%	F+;R12 Xn;R65 R66 R67 N;R51/53
PROPAN-2-OL	200-661-7	67-63-0	< 1%	F;R11 Xi;R36 R67
SILICA FLOUR		14808-60-7	1-5%	Xn;R48/20.

The Full Text for all R-Phrases are Displayed in Section 16

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

##### INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately!

##### SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

## EVO-STIK EVOGRIP MULTI-PURPOSE GAPFIL

### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Water spray, fog or mist. Foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc.

#### SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water until well after the fire is out. Move container from fire area if it can be done without risk. Use water spray to reduce vapours. If risk of water pollution occurs, notify appropriate authorities.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

May explode when heated or when exposed to flames or sparks. May travel considerable distance to source of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Avoid skin and eye contact. Ensure adequate ventilation. Wear personal protective equipment. Wear self contained breathing apparatus.

#### SPILL CLEAN UP METHODS

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Runoff or release to sewer, waterway or ground is forbidden. Absorb in vermiculite, dry sand or earth and place into containers. Do not let washing down water contaminate ponds or waterways. Collect in containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Provide good ventilation. Avoid spilling, skin and eye contact. Avoid acids, moisture, and combustible materials.

#### STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Isolate from other materials. Store in tightly closed original container in a dry, cool and well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks.

#### STORAGE CLASS

Flammable liquid storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
N-HEXANE	WEL	20 ppm	72 mg/m <sup>3</sup>			
PENTANE	WEL	600 ppm	1800 mg/m <sup>3</sup>			
PROPAN-2-OL	WEL	400 ppm	999 mg/m <sup>3</sup>	500 ppm	1250 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

#### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

#### PROTECTIVE EQUIPMENT



#### PROCESS CONDITIONS

Use engineering controls to reduce air contamination to permissible exposure level.

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SDS NO.: 12785

**EVO-STIK EVOGRIP MULTI-PURPOSE GAPFIL****ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation. Explosion-proof general and local exhaust ventilation.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace

Exposure Limit.

**HAND PROTECTION**

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Nitrile.

**EYE PROTECTION**

Use approved safety goggles or face shield.

**OTHER PROTECTION**

Provide eyewash station. Wear suitable protective clothing as protection against splashing or contamination.

**HYGIENE MEASURES**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke. Use appropriate skin cream to prevent drying of skin.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Paste
COLOUR	Yellowish
ODOUR	of solvents

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

**11 TOXICOLOGICAL INFORMATION****INHALATION**

May cause irritation to the respiratory system.

**INGESTION**

Pneumonia may be the result if vomited material containing solvents reaches the lungs.

**SKIN CONTACT**

Liquid may irritate skin.

**EYE CONTACT**

Irritation, burning, lachrymation, blurred vision after liquid splash.

**MEDICAL CONSIDERATIONS**

Chronic respiratory and obstructive airway diseases. Skin disorders and allergies. History of smoking.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment. Contamination of the terrestrial and aquatic environments should be avoided

**13 DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

This material is classified as special waste as defined by Special Waste Regulations 1996 and must be disposed of by an authorised contractor

**EVO-STIK EVOGRIP MULTI-PURPOSE GAPFIL**

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**



UK ROAD CLASS	3		
PROPER SHIPPING NAME	ADHESIVES (METHYLCYCLOHEXANE)		
UN NO. ROAD	1133	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(D/E)
HAZARD No. (ADR)	30	ADR LABEL NO.	3
HAZCHEM CODE	3YE	CEFIC TEC(R) NO.	30GF1-III, 30GF1-sp
RID CLASS NO.	3	RID PACK GROUP	III
UN NO. SEA	1133	IMDG CLASS	3
IMDG PACK GR.	III	EMS	F-E, S-D
UN NO. AIR	1133	AIR CLASS	3
AIR PACK GR.	III		

**15 REGULATORY INFORMATION**

LABELLING



Highly Flammable



Dangerous for the environment

RISK PHRASES

R11	Highly flammable.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S2	Keep out of the reach of children
S7	Keep container tightly closed.
S16	Keep away from sources of ignition - No smoking.
S29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

**EVO-STIK EVOGRIP MULTI-PURPOSE GAPFIL**

## APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

## GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

**16 OTHER INFORMATION**

## GENERAL INFORMATION

This product should be used as directed by Bostik Ltd. For further information consult the product data sheet or contact Technical Services.

## INFORMATION SOURCES

This safety data sheet was compiled using current safety information supplied by distributor of raw materials.

## REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision. This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Bostik Limited.

## ISSUED BY

Approved LJ

REVISION DATE July 2009

REV. NO./REPL. SDS GENERATED 6

DATE August 2006

## RISK PHRASES IN FULL

R11	Highly flammable.
R12	Extremely flammable.
R36	Irritating to eyes.
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.