Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name: EVO-STIK GRIPFILL XTRA SOLVENT ADHESIVE
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 Limited
Common Rd
ST16 3EH
Stafford UK
Tel: +44 (1785) 27 26 25
Fax: +44 (1785) 25 72 36
E-mail address: SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom: +44 (1785) 272650
Ireland: +353 (1) 8624900 (Monday- Friday 9am-5pm)

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3 - (H336)</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 2 - (H411)</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>Category 2 - (H225)</td>
</tr>
</tbody>
</table>

Unknown acute toxicity: 26 % of the mixture consists of ingredient(s) of unknown toxicity
Unknown aquatic toxicity: Contains 0 % of components with unknown hazards to the aquatic environment

2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains Hydrocarbons, C6, isoalkanes, <5% n-hexane
Signal Word
DANGER

Hazard statements
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects
H225 - Highly flammable liquid and vapour

Precautionary Statements - EU (§28, 1272/2008)
P101 - If medical advice is needed, have product container or label at hand
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P273 - Avoid release to the environment
P280 - Wear protective gloves and eye/face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P402 + P404 - Store in a dry place. Store in a closed container
P501 - Dispose of contents/container to an approved waste disposal plant

Special provisions concerning the labelling of certain mixtures
This product requires tactile warnings if supplied to the general public

2.3. Other Hazards

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

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

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC No</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Specific concentration limit (SCL)</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</td>
<td>927-510-4</td>
<td>--</td>
<td>10 - &lt;20</td>
<td>STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411)</td>
<td></td>
<td>01-2119475515-33 -xxxx</td>
</tr>
<tr>
<td>Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane</td>
<td>931-254-9</td>
<td>--</td>
<td>10 - &lt;20</td>
<td>STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flamm Liq. 1 (H224) (EUH066)</td>
<td></td>
<td>01-2119484661-34 -XXXX</td>
</tr>
</tbody>
</table>

Full text of H- and EUH-phrases: see section 16
Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)
Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice  If medical advice is needed, have product container or label at hand.
Inhalation  Remove to fresh air.
Skin Contact  Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact  In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor immediately.
Ingestion  If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Self-protection of the first aider  Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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

Symptoms  None known.

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

Note to doctors  Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media  Use CO₂, dry chemical, or foam.

Unsuitable Extinguishing Media  Use water spray or fog; do not use straight streams

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions  Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

Water spray may reduce vapour; but may not prevent ignition in closed spaces.

For emergency responders  Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Environmental precautions
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

6.3. Methods and material for containment and cleaning up

Methods for Containment
Dyke far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up
Use clean non-sparking tools to collect absorbed material. Dyke far ahead of liquid spill for later disposal.

6.4. Reference to other sections

Reference to other sections
See Section 12: ECOLOGICAL INFORMATION
Section 7: HANDLING AND STORAGE
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling
Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ventilating/lighting /equipment.

General Hygiene Considerations
Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep only in the original container/package in a cool well-ventilated place. Keep from freezing.

7.3. Specific end use(s)

Other Information
Recommendation(s). Observe technical data sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>European Union</th>
<th>Ireland</th>
<th>United Kingdom</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kaolin</td>
<td>1332-58-7</td>
<td>-</td>
<td>TWA: 2 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL: 6 mg/m³</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>-</td>
<td>TWA: 200 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL: 400 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL: 500 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA: 1250 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA: 400 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA: 999 mg/m³</td>
</tr>
</tbody>
</table>

Derived No Effect Level (DNEL)  No information available

Predicted No Effect Concentration (PNEC)  No information available.

8.2. Exposure controls

Engineering Controls
Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment
Eye/Face Protection
Tight sealing safety goggles. Face protection shield.
Skin and Body Protection  Antistatic footwear. Wear fire/flame resistant/retardant clothing. Gloves made of plastic or rubber. Suitable protective clothing. Apron.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>Solvent</td>
<td></td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling Point</td>
<td>48 °C / 118.4 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>-5 °C / 23 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td>Not applicable for liquids</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapour Density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Solubility in Other Solvents</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Upper</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidising Properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>500 mm²/s</td>
<td>@ 40°C</td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

### 9.2. Other information

Softening Point: No information available
Molecular Weight: No information available
Solvent content (%): No information available
Solid content (%): No information available
Density: 1.18
Bulk Density: No Data Available
VOC content (%):  No information available

**Section 10: STABILITY AND REACTIVITY**

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical stability

Stable under recommended storage conditions.

Explosion Data
Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge  May be ignited by friction, heat, sparks or flames.

10.3. Possibility of hazardous reactions
Possibility of Hazardous Reactions
None under normal processing.

10.4. Conditions to avoid
Keep away from heat, sparks and flames.

10.5. Incompatible materials
Strong acids and bases.

10.6. Hazardous decomposition products
None under normal use conditions.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects
Product Information
No information or data specific to the product on this toxicological (health) effect is available.

Inhalation  No Data Available.
Eye contact  No Data Available.
Skin Contact  No Data Available.
Ingestion  No Data Available.
Sensitisation  No Data Available.

Skin Corrosion/Irritation  Not applicable.
Serious eye damage/eye irritation  Not applicable.
Sensitisation  Not applicable.
Germ Cell Mutagenicity  Not applicable.
Carcinogenicity  Not applicable.

Reproductive Toxicity  No information available.
STOT - Single Exposure  No information available.
STOT - Repeated Exposure  No information available.
Target Organ Effects  Eyes, Respiratory system, Skin.
Aspiration Hazard  No information available.

Numerical measures of toxicity
Acute Toxicity
The following values are calculated based on chapter 3.1 of the GHS document  mg/kg
ATEmix (dermal)  23,400.00 mg/kg
Unknown acute toxicity  26 % of the mixture consists of ingredient(s) of unknown toxicity.
26 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
26 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
26 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
26 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
26 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

### Component Information

**Toxicity Data**

Data obtained on the component(s) include

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</td>
<td>LD50 &gt;5840 mg/kg Rat</td>
<td>LD50 &gt;2920 mg/kg (Rat)</td>
<td>-</td>
</tr>
<tr>
<td>Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane</td>
<td>&gt;16750 mg/Kg (rat)</td>
<td>&gt;3350 mg/Kg (rabbit OECD 402)</td>
<td>259354 mg/m³ (vapour) (rat OECD 403)</td>
</tr>
</tbody>
</table>

### Section 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

Ecotoxicity

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

**Component Information**

Data obtained on the component(s) include

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
<th>M-Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</td>
<td>-</td>
<td>-</td>
<td>EL50 (48h) =3mg/L Daphnia</td>
<td></td>
</tr>
<tr>
<td>Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane</td>
<td>13.6 mg/l (Pseudokirchneriella subcapitata)</td>
<td>18.3 mg/l (Oncorhynchus mykiss)</td>
<td>31.9 mg/l (Daphnia magna)</td>
<td></td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

No information available.

#### 12.3. Bioaccumulative potential

No information available.

**Partition coefficient**

No information available

#### 12.4. Mobility in soil

**Mobility in soil**

No information available.

#### 12.5. Results of PBT and vPvB assessment

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

#### 12.6. Other Adverse Effects

No information available

**Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors.
Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Improper disposal or reuse of this container may be dangerous and illegal.

European Waste Catalogue
08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

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

Section 14: TRANSPORTATION INFORMATION

ADR
14.1 UN/ID no UN1133
14.2 Proper Shipping Name Adhesives, Environmentally Hazardous
14.3 Hazard Class 3
14.4 Packing Group III
14.5 Environmental Hazard yes
14.6 Special Provisions 640E
   Classification Code F1
   Tunnel restriction code (D/E)
   Limited Quantity (LQ) 5 L
   ADR Hazard Id (Kemmler Number) 30

IMDG
14.1 UN/ID no UN1133
14.2 Proper Shipping Name Adhesives (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), Marine Pollutant
14.3 Hazard Class 3
14.4 Packing Group III
14.5 Marine Pollutant P
14.6 Special Provisions 223, 955
   Limited Quantity (LQ) 5 L
   EmS-No F-E, S-D
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

RID
14.1 UN/ID no UN1133
14.2 Proper Shipping Name Adhesives, Environmentally Hazardous
14.3 Hazard Class 3
14.4 Packing Group III
14.5 Environmental Hazard yes
   Classification Code F1
14.6 Special Provisions None
   Limited Quantity (LQ) 5 L

ICAO (air)
14.1 UN/ID no UN1133
14.2 Proper Shipping Name Adhesives
14.3 Hazard Class 3
14.4 Packing Group
   Description: III
   UN1133, Adhesives, 3, III

14.5 Environmental Hazard
   Description: yes

14.6 Special Provisions
   Description: A3

IATA
14.1 UN/ID no
   Description: UN1133

14.2 Proper Shipping Name
   Description: Adhesives

14.3 Hazard Class
   Description: III

14.4 Packing Group
   Description: UN1133, Adhesives, 3, III

14.5 Environmental Hazard
   Description: yes

14.6 Special Provisions
   Description: A3

Limited Quantity (LQ)
   Description: 10 L

ERG Code
   Description: 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


EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59
   This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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).

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

Dangerous substance category per Seveso Directive (2012/18/EU)
   P5a - FLAMMABLE LIQUIDS
   or
   P5b - FLAMMABLE LIQUIDS
   or
   P5c - FLAMMABLE LIQUIDS
   E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
   Not applicable

Persistent Organic Pollutants
   Not applicable
15.2 Chemical safety assessment

None

Section 16: OTHER INFORMATION

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

Full text of H-Statements referred to under section 3

H336 - May cause drowsiness or dizziness
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H411 - Toxic to aquatic life with long lasting effects
H224 - Extremely flammable liquid and vapour
EUH066 - Repeated exposure may cause skin dryness or cracking

Legend

SVHC: Substances of Very High Concern for Authorisation:

Section 8: EXPOSURE CONTROLS/PERSOANAL PROTECTION

TWA (time-weighted average) STEL (Short Term Exposure Limit)
Ceiling Maximum limit value * Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
STOT (RE): Specific target organ toxicity - Repeated exposure
STOT (SE): Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue

Key literature references and sources for data
Classification and labeling data calculated from data received from raw material suppliers

Prepared By
Product Safety & Regulatory Affairs

Revision Date
11-Jan-2017

Indication of changes
Revision Note
Not applicable.

Training Advice
Provide adequate information, instruction, and training for operator

Additional information
No information available

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006

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 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