



## SAFETY DATA SHEET EVO-STIK 191 CLEANER

According to Regulation (EC) No 1907/2006

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name EVO-STIK 191 CLEANER  
Product No. 094604

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

Identified uses Adhesive Cleaner / Thinner

#### 1.3. Details of the supplier of the safety data sheet

Supplier BOSTIK LIMITED  
COMMON ROAD  
STAFFORD  
STAFFORDSHIRE  
ST16 3EH  
+44 1785 272625  
sds.uk@bostik.com

#### 1.4. Emergency telephone number

+44 1785 272650 (24 Hours)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Flam. Liq. 2 - H225  
Human health Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; STOT SE 3 - H336; Asp. Tox. 1 - H304  
Environment Aquatic Chronic 2 - H411

Classification (1999/45/EEC)

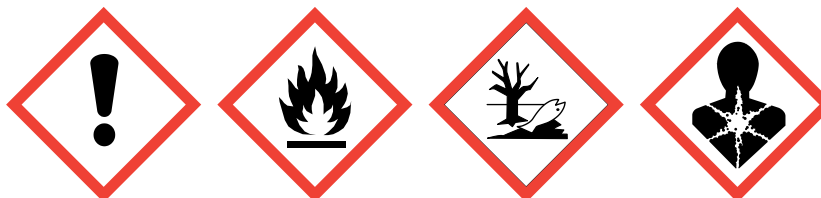
Xn; R65. Xi; R36/38. F; R11. N; R51/53. R67.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 2.2. Label elements

Contains HYDROCARBONS C6-C7 ISOALKANES, CYCLICS <5% N-HEXANE  
NAPHTHA (PETROLEUM), HYDRODESULFURIZED LIGHT, DEAROMATIZED; <0.1% BENZENE  
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT, <0.1% BENZENE,

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

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|                                        |              |                                                                                                                                  |
|----------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|
| Precautionary Statements               | H411         | Toxic to aquatic life with long lasting effects.                                                                                 |
|                                        | P210         | Keep away from heat/sparks/open flames/hot surfaces. - No smoking.                                                               |
|                                        | P271         | Use only outdoors or in a well-ventilated area.                                                                                  |
|                                        | P273         | Avoid release to the environment.                                                                                                |
|                                        | P280         | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
|                                        | P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|                                        | P403+233     | Store in a well-ventilated place. Keep container tightly closed.                                                                 |
| Supplementary Precautionary Statements | P242         | Use only non-sparking tools.                                                                                                     |
|                                        | P243         | Take precautionary measures against static discharge.                                                                            |
|                                        | P261         | Avoid breathing vapour/spray.                                                                                                    |
|                                        | P264         | Wash contaminated skin thoroughly after handling.                                                                                |
|                                        | P370+378     | In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.                                               |
|                                        | P302+352     | IF ON SKIN: Wash with plenty of soap and water.                                                                                  |
|                                        | P303+361+353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.                       |
|                                        | P304+340     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                 |
|                                        | P332+313     | If skin irritation occurs: Get medical advice/attention.                                                                         |
|                                        | P362         | Take off contaminated clothing and wash before reuse.                                                                            |
|                                        | P391         | Collect spillage.                                                                                                                |
|                                        | P501         | Dispose of contents/container in accordance with regional regulations.                                                           |

### 2.3. Other hazards

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

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

|                                                                                                                                                                              |                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| ACETONE                                                                                                                                                                      | 10-30%                                                                      |
| CAS-No.: 67-64-1                                                                                                                                                             | EC No.: 200-662-2                                                           |
|                                                                                                                                                                              | Registration Number: 01-2119471330-49                                       |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>EUH066<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H336                                                                    | Classification (67/548/EEC)<br>F;R11<br>Xi;R36<br>R66<br>R67                |
| CYCLOHEXANE                                                                                                                                                                  | < 1%                                                                        |
| CAS-No.: 110-82-7                                                                                                                                                            | EC No.: 203-806-2                                                           |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>Skin Irrit. 2 - H315<br>STOT SE 3 - H336<br>Asp. Tox. 1 - H304<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410 | Classification (67/548/EEC)<br>F;R11<br>Xn;R65<br>Xi;R38<br>R67<br>N;R50/53 |

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|                                                                                                                                                                                           |                                                                                                        |                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------|
| ETHYL ACETATE                                                                                                                                                                             |                                                                                                        | 10-30%                                |
| CAS-No.: 141-78-6                                                                                                                                                                         | EC No.: 205-500-4                                                                                      | Registration Number: 01-2119475103-46 |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>EUH066<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H336                                                                                 | Classification (67/548/EEC)<br>F;R11<br>Xi;R36<br>R66<br>R67                                           |                                       |
| HYDROCARBONS C6-C7 ISOALKANES, CYCLICS <5% N-HEXANE                                                                                                                                       |                                                                                                        | 30-60%                                |
| CAS-No.:                                                                                                                                                                                  | EC No.: 926-605-8                                                                                      | Registration Number: 01-2119486291-36 |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>EUH066<br>STOT SE 3 - H336<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411                                                      | Classification (67/548/EEC)<br>Xn;R65.<br>F;R11.<br>N;R51/53.<br>R66,R67.                              |                                       |
| NAPHTHA (PETROLEUM), HYDRODESULFURIZED LIGHT, DEAROMATIZED; <0.1% BENZENE                                                                                                                 |                                                                                                        | 10-30%                                |
| CAS-No.: 92045-53-9                                                                                                                                                                       | EC No.: 295-434-2                                                                                      |                                       |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>Skin Irrit. 2 - H315<br>STOT SE 3 - H336<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411                                        | Classification (67/548/EEC)<br>Xn;R65.<br>Xi;R38.<br>F;R11.<br>N;R51/53.<br>R67.                       |                                       |
| NAPHTHA (PETROLEUM), HYDROTREATED LIGHT, <0.1% BENZENE,                                                                                                                                   |                                                                                                        | 10-30%                                |
| CAS-No.: 64742-49-0                                                                                                                                                                       | EC No.:                                                                                                |                                       |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>Skin Irrit. 2 - H315<br>STOT SE 3 - H336<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411                                        | Classification (67/548/EEC)<br>Xn;R65.<br>Xi;R38.<br>F;R11.<br>N;R51/53.<br>R67.                       |                                       |
| N-HEXANE                                                                                                                                                                                  |                                                                                                        | < 1%                                  |
| CAS-No.: 110-54-3                                                                                                                                                                         | EC No.: 203-777-6                                                                                      |                                       |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>Skin Irrit. 2 - H315<br>Repr. 2 - H361f<br>STOT SE 3 - H336<br>STOT RE 2 - H373<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411 | Classification (67/548/EEC)<br>F;R11<br>Repr. Cat. 3;R62<br>Xn;R65,R48/20<br>Xi;R38<br>R67<br>N;R51/53 |                                       |

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### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

Inhalation

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention.

Ingestion

DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.

Eye contact

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

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

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

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Extinguishing media

Fire can be extinguished using: Foam, carbon dioxide or dry powder.

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

Specific hazards

Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

#### 5.3. Advice for firefighters

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

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

#### 6.2. Environmental precautions

Prevent entry into drains and water courses.

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

Stop leak if possible without risk. DO NOT touch spilled material! Provide ventilation and confine spill. Do not allow runoff to sewer.

Clean-up personnel should use respiratory and/or liquid contact protection. Absorb onto sand, earth or absorbent granules. Pick up with non-sparking tools and place into metal containers with sealable lids. Mark containers with details of hazards and store in designated area ready for disposal.

#### 6.4. Reference to other sections

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

#### 7.2. Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from oxidisers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks. Store at moderate temperatures in dry, well ventilated area.

Storage Class

Flammable liquid storage.

#### 7.3. Specific end use(s)

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## EVO-STIK 191 CLEANER

### 8.1. Control parameters

| Name          | STD | TWA - 8 Hrs |                        | STEL - 15 Min |                        | Notes |
|---------------|-----|-------------|------------------------|---------------|------------------------|-------|
|               |     |             |                        |               |                        |       |
| ACETONE       | WEL | 500 ppm     | 1210 mg/m <sup>3</sup> | 1500 ppm      | 3620 mg/m <sup>3</sup> |       |
| CYCLOHEXANE   | WEL | 100 ppm     | 350 mg/m <sup>3</sup>  | 300 ppm       | 1050 mg/m <sup>3</sup> |       |
| ETHYL ACETATE | WEL | 200 ppm     |                        | 400 ppm       |                        |       |
| N-HEXANE      | WEL | 20 ppm      | 72 mg/m <sup>3</sup>   |               |                        |       |

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

### 8.2. Exposure controls

Protective equipment



Process conditions

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

Engineering measures

Explosion-proof general and local exhaust ventilation.

Respiratory equipment

Respiratory protection must be used if air contamination exceeds acceptable level. Wear mask supplied with: Gas cartridge suitable for organic substances.

Hand protection

Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other Protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash promptly if skin becomes contaminated. DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove non-impervious clothing that becomes wet. When using do not eat, drink or smoke.

Use appropriate hand lotion to prevent defatting and cracking of skin.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|                  |                     |
|------------------|---------------------|
| Appearance       | Liquid              |
| Colour           | Clear               |
| Odour            | Ester. Hydrocarbon. |
| Relative density | 0.85                |
| Flash point (°C) | -25                 |

### 9.2. Other information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

Avoid Heat, sparks, flames.

### 10.3. Possibility of hazardous reactions

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### 10.4. Conditions to avoid

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Inhalation

Drowsiness, dizziness, disorientation, vertigo. Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication.

#### Ingestion

Harmful: may cause lung damage if swallowed.

#### Skin contact

Irritating to skin.

#### Eye contact

Irritating to eyes.

#### Medical Considerations

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

## SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## SECTION 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

### 13.1. Waste treatment methods

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

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

|                      |      |
|----------------------|------|
| UN No. (ADR/RID/ADN) | 1263 |
| UN No. (IMDG)        | 1263 |
| UN No. (ICAO)        | 1263 |

### 14.2. UN proper shipping name

## EVO-STIK 191 CLEANER

Proper Shipping Name PAINT RELATED MATERIAL (HYDROCARBONS C6-C7 ISOALKANES, CYCLICS <5% N-HEXANE)

### 14.3. Transport hazard class(es)

|                     |                             |
|---------------------|-----------------------------|
| ADR/RID/ADN Class   | 3                           |
| ADR/RID/ADN Class   | Class 3: Flammable liquids. |
| ADR Label No.       | 3                           |
| IMDG Class          | 3                           |
| ICAO Class/Division | 3                           |
| Transport Labels    |                             |



### 14.4. Packing group

|                           |    |
|---------------------------|----|
| ADR/RID/ADN Packing group | II |
| IMDG Packing group        | II |
| ICAO Packing group        | II |

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



### 14.6. Special precautions for user

|                         |          |
|-------------------------|----------|
| EMS                     | F-E, S-E |
| Emergency Action Code   | •3YE     |
| Hazard No. (ADR)        | 33       |
| Tunnel Restriction Code | (D/E)    |

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

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

CHIP for everyone HSG(108). Introduction to Local Exhaust Ventilation HS(G)37. Workplace Exposure Limits EH40.

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### EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### 15.2. Chemical Safety Assessment

#### SECTION 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 | February 2014 |
| Revision      | 8             |
| Date          | July 2005     |

##### Risk Phrases In Full

|        |                                                                                                  |
|--------|--------------------------------------------------------------------------------------------------|
| R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation.            |
| R65    | Harmful: may cause lung damage if swallowed.                                                     |
| R11    | Highly flammable                                                                                 |
| R36/38 | Irritating to eyes and skin.                                                                     |
| R36    | Irritating to eyes.                                                                              |
| R38    | Irritating to skin.                                                                              |
| R62    | Possible risk of impaired fertility.                                                             |
| R66    | Repeated exposure may cause skin dryness or cracking.                                            |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.      |
| R67    | Vapours may cause drowsiness and dizziness.                                                      |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

##### Hazard Statements In Full

|        |                                                                               |
|--------|-------------------------------------------------------------------------------|
| H319   | Causes serious eye irritation.                                                |
| H315   | Causes skin irritation.                                                       |
| H225   | Highly flammable liquid and vapour.                                           |
| H304   | May be fatal if swallowed and enters airways.                                 |
| H373   | May cause damage to organs <<Organs>> through prolonged or repeated exposure. |
| H336   | May cause drowsiness or dizziness.                                            |
| EUH066 | Repeated exposure may cause skin dryness or cracking.                         |
| H361f  | Suspected of damaging fertility.                                              |
| H411   | Toxic to aquatic life with long lasting effects.                              |
| H410   | Very toxic to aquatic life with long lasting effects.                         |
| H400   | Very toxic to aquatic life.                                                   |