



SAFETY DATA SHEET EVO-STIK CLEANER 2

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

PRODUCT NAME EVO-STIK CLEANER 2
 PRODUCT NO. 089853, 089860
 SUPPLIER BOSTIK LIMITED
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2 HAZARDS IDENTIFICATION

Pilot lights can ignite the vapour

CLASSIFICATION (1999/45) Xn;R48/20, R65. Repr. Cat. 3;R63. Xi;R38. F;R11. R67.

CLASSIFICATION (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 2 - H225
Human health	Skin Irrit. 2 - H315;Repr. 2 - H361d;STOT SE 3 - H336;STOT RE 2 - H373;Asp. Tox. 1 - H304
Environment	Not classified.

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD Danger
 CONTAINS TOLUENE
 HAZARD STATEMENTS

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS

P102	Keep out of reach of children.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P502	Dispose of contents/container to hazardous or special waste collection point

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.

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P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P281	Use personal protective equipment as required.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P308+313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see ... on this label).
P331	Do NOT induce vomiting.
P332+313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P370+378	In case of fire: Use ... for extinction.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to ...

PHYSICAL AND CHEMICAL HAZARDS

Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

3 COMPOSITION/INFORMATION ON INGREDIENTS

TOLUENE		60-100%
CAS-No.: 108-88-3	EC No.: 203-625-9	Registration Number: 01-2119471310-51
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 2 - H225	F;R11	
Skin Irrit. 2 - H315	Repr. Cat. 3;R63	
Repr. 2 - H361d	Xn;R48/20,R65	
STOT SE 3 - H336	Xi;R38	
STOT RE 2 - H373	R67	
Asp. Tox. 1 - H304		

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

CAUTION! First aid personnel must be aware of own risk during rescue! Remove victim immediately from source of exposure.

NOTES TO THE PHYSICIAN

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

INHALATION

Move into fresh air and keep at rest. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Immediately call an ambulance.

INGESTION

Get medical attention immediately! DO NOT induce vomiting if swallowed chemical is dissolved in petroleum-based material. Danger of aspiration and development of chemical pneumonia.

SKIN CONTACT

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. If adhesive bonds skin, flush with water and seek medical assistance. Do not attempt to force skin apart if bonded. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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EYE CONTACT

Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Immediately transport to hospital or eye specialist.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water as an extinguisher.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location. Be aware of danger of explosion. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

HIGHLY FLAMMABLE! May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back. Fire causes formation of toxic gases. Vapours may give explosive mixture with air at temperatures below normal room temperature.

SPECIFIC HAZARDS

When heated and in case of fire, harmful vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Eye contact MUST be prevented by means of suitable personal protection equipment. Take precautionary measures against static discharges. Do not smoke, use open fire or other sources of ignition. Avoid inhalation of dust and vapours. Provide adequate ventilation. In case of spills, beware of slippery floors and surfaces. Wear self contained breathing apparatus.

ENVIRONMENTAL PRECAUTIONS

Do not allow ANY environmental contamination. Contain spillages with sand, earth or any suitable adsorbent material. Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Stop leak if possible without risk. DO NOT touch spilled material! Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Ventilate well, stop flow of gas or liquid if possible. Remove ignition sources. Do not allow chemical to enter confined spaces such as sewers due to explosion risk. Sewers designed to preclude formation of explosive concentrations of vapour may be permitted.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Do not handle broken packages without protective equipment. Avoid contact with eyes. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Risk of vapour concentration on the floor and in low-lying areas. Use explosion proof electric equipment. Contaminated rags and cloths must be put in fireproof containers for disposal. Do not eat, drink or smoke when using the product. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Keep upright. Take precautionary measures against static discharges. Store in tightly closed original container in a dry and cool place.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
TOLUENE	WEL	50 ppm(Sk)	191 mg/m3(Sk)	100 ppm(Sk)	384 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT

EVO-STIK CLEANER 2**PROCESS CONDITIONS**

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

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Check that mask fits tight and change filter regularly.

Chemical respirator with organic vapour cartridge.

HAND PROTECTION

Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

Protective gloves should be used if there is a risk of direct contact or splash. Viton rubber (fluor rubber).

EYE PROTECTION

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

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

SKIN PROTECTION

Wear apron or protective clothing in case of splashes.

9 PHYSICAL AND CHEMICAL PROPERTIES

COLOUR	Colourless. Clear
ODOUR	Aromatic.
SOLUBILITY	Miscible with: Organic solvents
RELATIVE DENSITY	0.867
VAPOUR PRESSURE	22 mmHg @ 20 °C
FLASH POINT (°C)	4
AUTO IGNITION	535
TEMPERATURE (°C)	

10 STABILITY AND REACTIVITY**STABILITY**

Avoid Contact with acids. Contact with peroxides. Contact with alkalis. Contact with combustibles. Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

11 TOXICOLOGICAL INFORMATION**GENERAL INFORMATION**

Known or suspected teratogen.

INHALATION

Vapour may irritate respiratory system or lungs. May cause nausea and vomiting Anaesthetic in high concentrations. Unconsciousness, possibly death.

INGESTION

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

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SKIN CONTACT

May be absorbed through the skin. Product has a defatting effect on skin. Prolonged contact may cause dryness of the skin.

EYE CONTACT

May cause severe irritation to eyes. Contact with the eyes may cause physical damage

ROUTE OF ENTRY

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

MEDICAL SYMPTOMS

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

MEDICAL CONSIDERATIONS

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

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment. However, contamination of the aquatic or terrestrial 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

WASTE CLASS

Classified as Special Waste. Not permitted for landfill in liquid state.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	TOLUENE
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
UN NO. ROAD	1294
ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II
TUNNEL RESTRICTION CODE	(D/E)
HAZARD No. (ADR)	33
ADR LABEL NO.	3
HAZCHEM CODE	3YE
UN NO. SEA	1294
IMDG CLASS	3
IMDG PACK GR.	II
EMS	F-E, S-D
UN NO. AIR	1294
AIR CLASS	3
AIR PACK GR.	II

15 REGULATORY INFORMATION

STATUTORY INSTRUMENTS

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

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APPROVED CODE OF PRACTICE

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

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. 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 May 2012

REV. NO./REPL. SDS GENERATED 7

DATE November 2003

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
R38	Irritating to skin.
R63	Possible risk of harm to the unborn child.
R67	Vapours may cause drowsiness and dizziness.

HAZARD STATEMENTS IN FULL

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.
H361d	Suspected of damaging the unborn child.