



COSHH Risk Assessment



Substance/material: *Solvent Cleaners* Trade name: *Evo-stik 191 CLEANER*

What is the substance used for?
(E.g. cleaning floors, protective coating, etc.) *Cleaning off residue from glue.*

What are the hazardous ingredients/chemicals in the substance? (List below)
Cyclohexane, Heptane and Isomers.

Do any of the chemicals have a:
Maximum Exposure Limit? (State opposite) *No.*
Occupational Exposure Standard? (State opposite) *No.*

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? *DANGEROUS TO ENVIRONMENT.*

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.) *Apply with a disposable cloth.*

How much is used every week?
(State quantity in litres or kilos as appropriate.) *50ml.*

Who is exposed to the substance?
(E.g. those using it, pupils, service users, etc.) *Fitters using equipment or anyone else in immediate environment.*

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.)
Well ventilated area. Use sparingly.

Is any Personal Protective Equipment (PPE) required when using the substance?
 Eye protection? (State type required) *SPLASH PROOF GOGGLES* Gloves? (State type required) *NITRILE MATERIAL.*
 Overalls/clothing? (State type required) Mask/respirator? (State type required) *Gas cartridge suitable for organic substance.*
 Other? (State type required) *Wear long sleeve clothing.*

How should the substance be stored? (E.g. locked cupboard, away from other substances, etc.)
In its approved container in a well ventilated area.

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?

Stop spill immediately. Do not touch material. Ventilate area and confine spill. Absorb using sand or earth, or absorbent granules. Collect with non-sparking tools and dispose of as contaminated waste.

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

- | | |
|--|---|
| a) Swallowed? Seek medical advice immediately. Do NOT induce vomit | b) In contact with eyes? Rinse immediately with plenty of water. Seek urgent help |
| c) In contact with skin? Wash with plenty of clothing. | d) Inhaled? Seek fresh air as soon as possible as may cause dizziness. |
| e) Other? (Please specify.) | |

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

Extinguish using foam, carbon dioxide or Dry powder extinguishers.

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)?

Do not empty into drains. Dispose of as contaminated waste to an approved licensed tip

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

No: - as this will be a one off cleaning exercise of a number of panels.

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 HYNES	Assessor(s) signature: 	Date: 1/6/09.
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 191 CLEANER

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

PRODUCT NAME EVO-STIK 191 CLEANER
 PRODUCT NO. 094604
 SUPPLIER BOSTIK LIMITED
 COMMON ROAD
 STAFFORD
 STAFFORDSHIRE
 ST16 3EH
 +44 1785 255141
 +44 1785 272650 (24 HOUR)
 sds.uk@bostik.com

2 HAZARDS IDENTIFICATION

Highly flammable. Vapours may cause drowsiness and dizziness. Harmful: may cause lung damage if swallowed. Irritating to eyes and skin. Very 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

CLASSIFICATION Xn;R65. Xi;R36/38. F;R11. N;R50/53. R67.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ACETONE	200-662-2	67-64-1	10-30%	F;R11 Xi;R36 R66 R67
CYCLOHEXANE	203-806-2	110-82-7	10-30%	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
CYCLOPENTANE	206-016-6	287-92-3	1-5%	F;R11 R52/53
ETHYL ACETATE	205-500-4	141-78-6	10-30%	F;R11 Xi;R36 R66 R67
HEPTANE AND ISOMERS			10-30%	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.
HEXANE-norm	203-777-6	110-54-3	1-5%	F;R11 Repr3;R62 Xn;R65,R48/20 Xi;R38 R67 N;R51/53
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 Repr3;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

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

4 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.

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EYE CONTACT

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

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

SPECIFIC HAZARDS

Toxic gases/vapours/fumes of Carbon dioxide (CO₂). Carbon monoxide (CO).

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains and water courses.

SPILL CLEAN UP METHODS

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.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

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.

STORAGE PRECAUTIONS

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.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
ACETONE	WEL	500 ppm	1210 mg/m ³	1500 ppm	3620 mg/m ³
CYCLOHEXANE	WEL	100 ppm	350 mg/m ³	300 ppm	1050 mg/m ³
ETHYL ACETATE	WEL	200 ppm		400 ppm	
HEXANE-norm	WEL	20 ppm	72 mg/m ³		
N-HEXANE	WEL	20 ppm	72 mg/m ³		
PENTANE	WEL	600 ppm	1800 mg/m ³		

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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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 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.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Clear
ODOUR	Ester. Hydrocarbon
RELATIVE DENSITY	0.85

10 STABILITY AND REACTIVITY

STABILITY

Avoid: Heat, sparks, flames.

11 TOXICOLOGICAL INFORMATION

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.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

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

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

DISPOSAL METHODS

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

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14 TRANSPORT INFORMATION



UK ROAD CLASS	3	UK ROAD PACK GR.	II
PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (NAPHTHA (PETROLEUM), HYDROTREATED LIGHT, <0.1% BENZENE, , ETHYL ACETATE)		
UN NO. ROAD	1993	ADR CLASS	Class 3: Flammable liquids.
ADR CLASS NO.	3	HAZARD No. (ADR)	33
ADR PACK GROUP	II	HAZCHEM CODE	3YE
ADR LABEL NO.	3	RID CLASS NO.	3
CEFIC TEC(R) NO.	30GF1-I+II, 30GF1-sp	UN NO. SEA	1993
RID PACK GROUP	II	IMDG PACK GR.	II
IMDG CLASS	3	MARINE POLLUTANT	No.
EMS	F-E, S-E	AIR CLASS	3
UN NO. AIR	1993		
AIR PACK GR.	II		

15 REGULATORY INFORMATION

LABELLING



Harmful



Highly Flammable



Dangerous for the environment

CONTAINS

CYCLOHEXANE
HEPTANE AND ISOMERS

RISK PHRASES

R11	Highly flammable.
R36/38	Irritating to eyes and skin.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S2	Keep out of the reach of children
S9	Keep container in a well-ventilated place.
S13	Keep away from food, drink and animal feeding stuffs.
S16	Keep away from sources of ignition - No smoking.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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.

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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.

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.

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

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 EC

REVISION DATE 19/03/2008

REV. NO./REPL. SDS GENERATED 4

DATE July 2005

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.