



COSHH Risk Assessment



Substance/material: Solvent Waco

Trade name: 3019 PlusBond

What is the substance used for?
(E.g. cleaning floors, protective coating, etc.) Connecting lengths of MuPVC plastic pipework.

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

TETRAHYDROFURAN (5-10%) BISPHENOL (0.1-1%)
CYCLOHEXANONE (1-5%) BUTANONE (60-100%)

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?

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.) With the brush supplied

How much is used every week?
(State quantity in litres or kilos as appropriate.) One 250ml container used every 2 months.

Who is exposed to the substance?
(E.g. those using it, pupils, service users, etc.) The user operating with the substance and those in the immediate area.

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 in a well ventilated area. If to be used in confined area, use with a respirator to suit Gas (cartridge organic substances)

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

-  Eye protection? (State type required)
-  Gloves? (State type required)
-  Overalls/clothing? (State type required)
-  Mask/respirator? (State type required)
GAS CARTRIDGE TYPE (ORGANIC SUBSTANCE)
-  Other? (State type required)

How should the substance be stored? (E.g. locked cupboard, away from other substances, etc.)
Keep in a cool environment, away from oxidisers and ensure area is well ventilated to avoid buildup of fumes.

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?

Prevent entry into drains and water courses. Stop leak. Extinguish all ignition sources. Avoid heat and sparks. Provide ventilation and respirators if in a confined space. Use sand or dry earth to collate the spill.

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

- | | |
|---|--|
| a) Swallowed? Do NOT induce vomit. if vomit occurs, keep head low to ensure contents does not get into lungs. | b) In contact with eyes? Rinse immediately with water for a minimum of 15 mins |
| c) In contact with skin? Wash with plenty of water, minimum of 15 mins. | d) Inhaled? Remove I.P to ventilated area at once. |
| e) Other? (Please specify.) N/A. | |

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

Use powder, foam or CO₂ extinguishers only. No other type to be used.

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

Nic

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

To licensed operators for hazardous waste. Do not allow to run into water courses, etc.

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

No, due to its infrequent usage.

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
Nic	N/A.

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

Assessor(s) name: Marcus Lewis	Assessor(s) signature: 	Date: 30/7/08.
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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. N/A.

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



SAFETY DATA SHEET

3019 HEP PLUSBOND

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

PRODUCT NAME: 3019 HEP PLUSBOND

PART No.: 321205, 321304

SUPPLIER: BOSTIK FINDLEY LIMITED
COMMON ROAD
STAFFORD. ST16 3EH
STAFFORDSHIRE
Tel: +44 1785 272727
Fax: +44 1785 257236

EMERGENCY TELEPHONES: +44 1785 255141

2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
TETRAHYDROFURAN			5-10 %
109-99-9	203-726-8	Xi ,F R-11, 19, 36/37	
CYCLOHEXANONE			1-5 %
108-94-1	203-631-1	Xn R-10, 20	
BISPHENOL A -EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700)			0-1 %
25068-38-6	500-033-5	Xi ,N R-36/38, 43, 51/53	
BUTANONE			60-100 %
78-93-3	201-159-0	Xi ,F R-11, 36, 66, 67	

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

3. HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

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. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

SKIN:	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
EYES:	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: Powder, foam or CO2.
SPECIAL FIRE FIGHTING PROCEDURES:	Use water SPRAY only to cool containers! Do not put water on leaked material. Use supplied air respirator if substance is involved in a fire. Avoid breathing fire vapours. Keep up-wind to avoid fumes. If possible, fight fire from protected position.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Generates massive smoke during fire. Vapours are heavier than air and may spread near ground to sources of ignition. HIGHLY FLAMMABLE! Risk of explosion in closed containers if pressure rises rapidly.
HAZARDOUS COMBUSTION PRODUCTS:	Toxic gases/vapors/fumes of: Carbon dioxide (CO2). Carbon monoxide (CO).
PROTECTIVE MEASURES IN FIRE:	Wear self contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION IN SPILL:	Avoid skin and eye contact Ensure adequate ventilation Wear personal protective equipment
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent entry into drains and water courses.
SPILL CLEANUP METHODS:	Stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

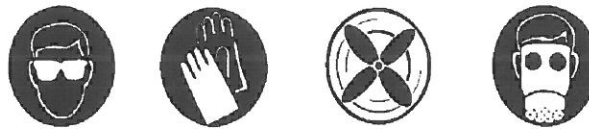
7. HANDLING AND STORAGE

USAGE PRECAUTIONS:	Keep away from heat, sparks and open flame. 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 oxidizers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks. Store at moderate temperatures in dry, well ventilated area.
STORAGE CRITERIA:	Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
TETRAHYDROFURAN	109-99-9	OES	50 ppm(Sk)	100 ppm(Sk)
CYCLOHEXANONE	108-94-1	OES	10 ppm(Sk)	20 ppm(Sk)
BUTANONE	78-93-3	OES	200 ppm(Sk)	300 ppm(Sk)

PROTECTIVE EQUIPMENT:



VENTILATION:	Explosion-proof general and local exhaust ventilation.
RESPIRATORS:	Respiratory protection must be used if air concentration exceeds acceptable level. Wear mask supplied with: Gas cartridge (organic substances).
PROTECTIVE GLOVES:	Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile. Use thin cotton gloves inside the rubber gloves if allergy risk.
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.
HYGIENIC WORK PRACTICES:	DO NOT SMOKE IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Thixotropic Liquid.		
COLOUR:	Colourless.		
ODOUR/TASTE:	Organic solvents.		
BOILING POINT (°C, interval):	65	Pressure:	760mmHg
DENSITY/SPECIFIC GRAVITY (g/ml):	0.9	Temperature (°C):	20
FLASH POINT (°C):	minus 14	Method:	CC (Closed cup).

10. STABILITY AND REACTIVITY

STABILITY:	Avoid: Heat, sparks, flames.
HAZARDOUS DECOMP. PRODUCTS:	Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon dioxide (CO ₂). Carbon monoxide (CO).

11. TOXICOLOGICAL INFORMATION

INHALATION:	Drowsiness, dizziness, disorientation, vertigo. Gas or vapour may irritate respiratory system.
INGESTION:	Pneumonia may be the result if vomited material containing solvents reaches the lungs.
SKIN:	Prolonged or repeated contact leads to drying of skin. May cause skin irritation/eczema
EYES:	Irritating to eyes. Irritation, burning, lacrimation, blurred vision after liquid splash.
HEALTH WARNINGS:	Defats the skin. Prolonged or repeated exposure may cause severe irritation.
MEDICAL CONSIDERATIONS:	Skin disorders and allergies.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Dangerous for the environment if discharged into watercourses.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of in accordance with Local Authority requirements. Do not allow runoff to sewer, waterway or ground. Recover and reclaim or recycle, if practical.

14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



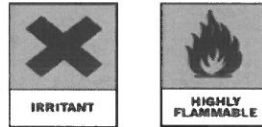
UK ROAD TRANSPORT CLASS:	3
UK ROAD PACK GR.:	III
ADR CLASS No.:	3
ADR CLASS:	Class 3: Flammable liquids.
ADR ITEM No.:	31(c)
ADR MARGINAL:	2301
ADR LABEL No.:	3
HAZCHEM CODE:	3Y
CEFIC TEC(R) No.:	30G35
PROPER SHIPPING NAME I:	ADHESIVES
RID CLASS No.:	3
RID ITEM No.:	31(c)
UN No. SEA:	1133
IMDG CLASS:	3
IMDG PACK GR.:	III
EmS No.:	3-05
MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	No.
UN No., AIR:	1133
ICAO CLASS:	3

AIR PACK GR.:

III

15. REGULATORY INFORMATION

LABEL FOR SUPPLY:



RISK PHRASES:

R-11 Highly flammable.
 R-36 Irritating to eyes.
 R-66 Repeated exposure may cause skin dryness or cracking.
 R-67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES:

P-14 Contains BISPHENOL A -EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700). May produce an allergic reaction.
 S-16 Keep away from sources of ignition - No Smoking.
 S-2 Keep out of the reach of children.
 S-25 Avoid contact with eyes.
 S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S-37 Wear suitable gloves.
 S-46 If swallowed, seek medical advice immediately and show this container or label.
 S-51 Use only in well-ventilated areas.
 S-56 Dispose of this material and its container to hazardous or special waste collection point.
 S-9 Keep container in a well-ventilated place.
 S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S-38 In case of insufficient ventilation, wear suitable respiratory equipment.

STATUTORY INSTRUMENTS:

Chemicals (Hazard Information and Packaging) Regulations.

16. OTHER INFORMATION

USER NOTES:

This product should be used as directed by Bostik Findley 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 supercedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Bostik Findley Limited.

ISSUED BY:

Approved EC

REVISION DATE:

12/02

SDS No.:

1.0

PRINTING DATE:

2002-12-06

R-PHRASES (Full Text):

R-11 Highly flammable. R-36 Irritating to eyes. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness. R-19 May form explosive peroxides. R-36/37 Irritating to eyes and respiratory system. R-10 Flammable. R-20 Harmful by inhalation. R-36/38 Irritating to eyes and skin. R-43 May cause sensitisation by skin contact. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.