



## SAFETY DATA SHEET

### PA5050E

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

PRODUCT NAME PA5050E  
PRODUCT NO. 10532, 10533, 10560  
SUPPLIER BOSTIK LIMITED  
COMMON ROAD  
STAFFORD  
STAFFORDSHIRE ST16 3EH  
+44 1785 255141  
+44 1785 272650  
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#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

| Name                 | EC No.    | CAS-No.    | Content | Classification                              |
|----------------------|-----------|------------|---------|---|
| ACETONE              | 200-662-2 | 67-64-1    | 30-60%  | F;R11 Xi;R36 R66 R67                        |
| BUTANONE             | 201-159-0 | 78-93-3    | 10-30%  | F;R11 Xi;R36 R66 R67                        |
| ETHYL ACETATE        | 205-500-4 | 141-78-6   | 5-10%   | F;R11 Xi;R36 R66 R67                        |
| TOLUENE-DIISOCYANATE | 247-722-4 | 26471-62-5 | < 1%    | Carc3;R40 T+;R26 R42/43 Xi;R36/37/38 R52/53 |

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

#### 3 HAZARDS IDENTIFICATION

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

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

CLASSIFICATION Xi;R36. F;R11. R66, R67.

#### 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. Wash skin with soap and 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.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Fire can be extinguished using: Powder. Foam.

##### 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.

**PA5050E****SPECIFIC HAZARDS**

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

**PROTECTIVE MEASURES IN FIRE**

Wear self contained breathing apparatus

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Avoid skin and eye contact. Ensure adequate ventilation. Wear personal protective equipment.

**ENVIRONMENTAL PRECAUTIONS**

Prevent entry into drains and water courses.

**SPILL CLEAN UP METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Runoff or release to sewer, waterway or ground is forbidden. 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 <sup>3</sup>       | ST - ppm    | ST - mg/m <sup>3</sup>       |
|----------------------|-----|-------------|------------------------------|-------------|------------------------------|
| ACETONE              | WEL | 500 ppm     | 1210 mg/m <sup>3</sup>       | 1500 ppm    | 3620 mg/m <sup>3</sup>       |
| BUTANONE             | WEL | 200 ppm(Sk) | 600 mg/m <sup>3</sup> (Sk)   | 300 ppm(Sk) | 899 mg/m <sup>3</sup> (Sk)   |
| ETHYL ACETATE        | WEL | 200 ppm     |                              | 400 ppm     |                              |
| TOLUENE-DIISOCYANATE | WEL |             | 0.02 mg/m <sup>3</sup> (Sen) |             | 0.07 mg/m <sup>3</sup> (Sen) |

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT****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. 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.

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### OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

### HYGIENE MEASURES

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                    | Mobile Liquid        |                               |                            |
| COLOUR                        | Colourless           |                               |                            |
| ODOUR                         | Ketonic.             |                               |                            |
| SOLUBILITY                    | Miscible with water. |                               |                            |
| BOILING POINT (°C)            | 55 - 80 760 mm Hg    | RELATIVE DENSITY              | 0.9 @ 25 °c                |
| VISCOSITY                     | 30 Ps @ 20 °c        | FLASH POINT (°C)              | - 18 TCC (Tag closed cup). |
| FLAMMABILITY LIMIT - LOWER(%) | 2.0                  | FLAMMABILITY LIMIT - UPPER(%) | 13.0                       |

## 10 STABILITY AND REACTIVITY

### STABILITY

Avoid: Heat, sparks, flames.

### MATERIALS TO AVOID

Oxidising agents. Acids

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). 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 CONTACT

Prolonged contact may cause dryness of the skin. May cause skin irritation/eczema

### EYE CONTACT

Irritating to eyes. Irritation, burning, lachrymation, 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

### 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

### DISPOSAL METHODS

Dispose of waste and residues 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

**PA5050E**

|                      |                      |                  |                             |
|----------------------|----------------------|------------------|-----------------------------|
| UK ROAD CLASS        | 3                    |                  |                             |
| PROPER SHIPPING NAME | ADHESIVES            |                  |                             |
| UN NO. ROAD          | 1133                 | UK ROAD PACK GR. | II                          |
| ADR CLASS NO.        | 3                    | ADR CLASS        | Class 3: Flammable liquids. |
| ADR PACK GROUP       | II                   | HAZARD No. (ADR) | 33                          |
| ADR LABEL NO.        | 3                    | HAZCHEM CODE     | 3YE                         |
| CEFIC TEC(R) NO.     | 30GF1-I+II, 30GF1-sp | RID CLASS NO.    | 3                           |
| RID PACK GROUP       | II                   | UN NO. SEA       | 1133                        |
| IMDG CLASS           | 3                    | IMDG PACK GR.    | II                          |
| EMS                  | F-E, S-D             | MFAG             | See Guide                   |
| MARINE POLLUTANT     | No.                  | UN NO. AIR       | 1133                        |
| AIR CLASS            | 3                    | AIR PACK GR.     | II                          |

**15 REGULATORY INFORMATION**

## LABELLING



Irritant



Highly Flammable

## RISK PHRASES

|     |   |
|-----|---|
| R11 | Highly flammable.                                     |
| R36 | Irritating to eyes.                                   |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R67 | Vapours may cause drowsiness and dizziness.           |

## SAFETY PHRASES

|           |   |
|-----------|---|
| S9        | Keep container in a well-ventilated place.  |
| S16       | Keep away from sources of ignition - No smoking.  |
| S24/25    | Avoid contact with skin and eyes.   |
| S26       | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S36/37/39 | Wear suitable protective clothing, gloves and eye/face protection.                            |
| S38       | In case of insufficient ventilation, wear suitable respiratory equipment.                     |
| S51       | Use only in well-ventilated areas.  |
| S60       | This material and its container must be disposed of as hazardous waste.                       |
| P4        | Contains isocyanates. See information supplied by the manufacturer.                           |

## 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.

**PA5050E**

## GUIDANCE NOTES

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

**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 April 2007

REV. NO./REPL. SDS GENERATED 5

DATE Feb 2003

## RISK PHRASES IN FULL

|           |   |
|-----------|---|
| R11       | Highly flammable.   |
| R26       | Very toxic by inhalation.   |
| R36       | Irritating to eyes.   |
| R36/37/38 | Irritating to eyes, respiratory system and skin.  |
| R40       | Limited evidence of a carcinogenic effect.  |
| R42/43    | May cause sensitisation by inhalation and skin contact.                                       |
| R52/53    | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R66       | Repeated exposure may cause skin dryness or cracking.   |
| R67       | Vapours may cause drowsiness and dizziness.   |