



HEALTH AND SAFETY PRODUCT INFORMATION

Product: 2K PU 1 Minute Black

Date: 1st May 2009

Product code: 472767

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1.

Name and Address
INDASA Abrasives (UK) Limited, Viking Works, Greenstead Road, Colchester CO1 2ST Tel : 01206 870366 Fax : 01206 860525 Email : office@indasa.co.uk

2.

Composition/Information on ingredients			
Substance	EINECS/ELINCS	CAS Range [%]	Symbol / R-phr.
Polyoxypropylendiamine		9046-10-0	1 - < 5 C-34
2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine)	229-962-1	6864-37-51	< 3 N- C- T-22-23/24-35-51/53
4,6-Diethyl-2-methyl-1,3-benzenediamine	270-877-4	68479-98-1	2,5 - < 5 N-Xn-21/22-36-48/22-50/53

3.

Hazards identification
R 36/38: Irritating to eyes and skin. R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4.

First-Aid measures
Inhalation Ensure supply of fresh air. In the event of symptoms refer for medical treatment.
General information Change soaked clothing.
Eye contact In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Skin contact When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
Ingestion Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Supply with medical care.
Advice to doctor Treat symptomatically.

5.

Fire-Fighting measures
Suitable extinguishing media Foam. Dry powder. Water spray jet. Carbon dioxide.
Extinguishing media that must not be used Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products Risk of formation of toxic pyrolysis products. In the event of fire the following can be released: Nitrogen oxides (NOx).
Special protective equipment for firefighters Use self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.
Additional information Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6.

Accident release measures
<p>Personal precautions Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/aerosol. High risk of slipping due to leakage/spillage of product.</p> <p>Methods for cleaning up/taking up Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with the regulations.</p> <p>Environmental precautions Do not discharge into the drains/ surface waters/ groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers).</p>

7.

Handling and storage
<p>Advice on safe handling Use only in well-ventilated areas. Avoid spilling or spraying in enclosed areas.</p> <p>Advice on protection against fire and explosion No special measures necessary.</p> <p>Requirements for storage rooms and vessels Prevent penetration into the ground. Keep only in original container.</p> <p>Advice on storage compatibility Do not store together with acids. Do not store together with oxidizing agents</p> <p>Further information on storage conditions Keep container tightly closed. Keep container in a well-ventilated place. Store in a dry place.</p>

8.

Exposure controls/personal protection
<p>Additional advice on system design Ensure adequate ventilation on workstation. Ingredients with occupational exposure limits to be monitored: Not applicable.</p> <p>Respiratory protection Breathing apparatus in the event of high concentrations.</p> <p>Hand protection Butyl rubber, >120 min (EN 374)</p> <p>Eye protection Safety glasses.</p> <p>Skin protection Light protective clothing.</p> <p>General protective measures Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols.</p> <p>Hygiene measures At work do not eat, drink, smoke or take drugs. After worktime and before work breaks the affected skin areas must be thoroughly cleaned. Use barrier skin cream.</p> <p>Delimitation and monitoring of the environmental exposition Not determined.</p>

9.

Physical and chemical properties	
<p>Form: Liquid.</p> <p>Colour: Black.</p> <p>Odour: Characteristic.</p> <p>pH-value: Not applicable.</p> <p>pH-value, 1%: Not applicable.</p> <p>Boiling point [°C]: Not determined.</p> <p>Flash point [°C]: 160</p> <p>Flammability:[°C] Not determined.</p> <p>Lower explosion limit: Not applicable.</p> <p>Upper explosion limit: Not applicable.</p> <p>Combustible properties: No.</p>	<p>Vapour pressure [kPa]: Not determined.</p> <p>Density [g/ml]: 1,1</p> <p>Bulk density [kg/m³]: Not applicable.</p> <p>Solubility in water: Miscible.</p> <p>Partition coefficient: noctanol/ water: Not determined.</p> <p>Viscosity: Not determined.</p> <p>Relative vapour density determined in air: Not determined.</p> <p>Evaporation speed: Not determined.</p> <p>Melting point [°C]: Not determined.</p> <p>Autoignition temperature [°C]: Not determined.</p> <p>Decomposition temperature [°C]: Not applicable.</p>

10.

Stability and reactivity
Hazardous reactions Reactions with acids and strong oxidizing agents.
Hazardous decomposition products No hazardous decomposition products known.

11.

Toxicological information
Acute oral toxicity OECD 401 Not determined.
Acute dermal toxicity OECD 402 Not determined.
Acute inhalational toxicity OECD 403 Not determined.
Irritant effect on eye OECD 405 Not determined.
Irritant effect on skin OECD 404 Not determined.
Sensitization OECD 406 Not determined.
Subacute toxicity Not determined.
Chronic toxicity Not determined.
Mutagenicity Not determined.
Reproduction toxicity Not determined.
Carcinogenicity Not determined.
Experiences made in practice None
General remarks No toxicological data are available. The product was classified on the basis of the calculation procedure of the preparation directive.

12.

Ecological information
Fish toxicity Not determined.
Daphnia toxicity Not determined
Biological degradability Not applicable.
Behaviour in environment compartments Not determined
Behaviour in sewage plant Not applicable.
Bacteria toxicity Not determined
COD Not determined
BOD5 Not determined
AOX-advice Not applicable.
76/464/EC Not applicable.
General information Ecological data are not available.

13.

Disposal considerations
Disposal / Product Dispose of as hazardous waste.
Disposal / Contaminated packaging Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
Waste no. (recommended) 080409*

14.

Transport information
Classification according to ADR: Declaration: UN 3082, Environmentally hazardous substance, liquid, n.o.s. (4,6-Diethyl-2-methyl-1,3-benzenediamine), 9 , PG: III
Labelling: UN 3082
Factor, ADR 1.1.3.6: 1 Hazard-no 90 Label 9
LQ, ADR 3.4.6: L Q7 Vapour pressure [kPa]: Not determined
Classification according to IMDG: Declaration: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (4,6-Diethyl-2-methyl-1,3-benzenediamine), 9, PG III

Labelling: Environmentally hazardous substance, liquid, n.o.s. (4,6-Diethyl-2-methyl-1,3-benzenediamine), UN 3082, Class: 9
EmS: F-A, S-F **Label:** 9 **LQ (1/kg):** 5
Classification according to 9 111
IATA:
Declaration: Environmentally hazardous substance, liquid, n.o.s. (4,6-Diethyl-2-methyl-1,3-benzenediamine), Class: 9 UN 3082 III
Labelling: Environmentally hazardous substance, liquid, n.o.s. (4,6-Diethyl-2-methyl-1,3-benzenediamine) UN 3082
Label: Miscellaneous

15.

Regulatory information

Labelling: The product is classified and labelled in accordance with EC directives

Hazard symbols

Irritant, Dangerous for the environment.

R 36/38: Irritating to eyes and skin. R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S 24: Avoid contact with skin. S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 60: This material and its container must be disposed of as hazardous waste.

R 21/22: Harmful in contact with skin and if swallowed.

R 22: Harmful if swallowed.

R 23/24: Toxic by inhalation and in contact with skin.

R 34: Causes burns.

R 35: Causes severe burns.

R 36: Irritating to eyes.

R 48/22: Harmful - danger of serious damage to health by prolonged exposure if swallowed.

R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16.

Other information

Creation date	01.05.09	Production Management
Replace sheet of	01.05.09	Martyn Barnes
This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.		



HEALTH AND SAFETY PRODUCT INFORMATION

Product: TEXBOND 2K PU PART 'A'

Date: 1st May 2009

Product code: Q2K-1C Q2K-1B Q2K-5B

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1.

Name and Address

INDASA Abrasives (UK) Limited, Viking Works, Greenstead Road, Colchester CO1 2ST
Tel : 01206 870366 Fax : 01206 860525 Email : office@indasa.co.uk

2.

Composition/Information on ingredients

Substance	EINECS/ELINCS CAS	Range [%]	Symbol / R-phr.
Polypropylene glycol	25322-69-4	25 - < 50	Xn-22
Diphenylmethanediisocyanate, isomeres and Homologues	9016-87-9	25 - < 50	Xn-20-36/37/38-42/43
4,4'-Methylenediphenyl diisocyanate	202-966-0101-68-8	25 - < 50	Xn-20-36/37/38-42/43

3.

Hazards identification

R 20/22: Harmful by inhalation and if swallowed. R 36/37/38: Irritating to eyes, respiratory system and skin. R 42/43: May cause sensitisation by inhalation and skin contact.

4.

First-Aid measures

General information

Remove contaminated soaked clothing immediately and dispose of safely.

Inhalation

Ensure supply of fresh air. In the event of symptoms refer for medical treatment.

Skin contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Eye contact

In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.

Ingestion

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Supply with medical care.

Advice to doctor

Treat symptomatically.

5.

Fire-Fighting measures

Suitable extinguishing media

Foam. Dry powder. Water spray jet. Carbon dioxide.

Extinguishing media that must not be used

Full water jet.

Special exposure hazards arising from the substance or preparation itself or combustion products

Risk of formation of toxic pyrolysis products. In the event of fire the following can be released: Nitrogen oxides (NOx). Hydrogen cyanide (HCN).

Special protective equipment for firefighters

Use self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6.

Accident release measures**Personal precautions**

Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/aerosol. High risk of slipping due to leakage/spillage of product.

Methods for cleaning up/taking up

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with the regulations.

Environmental precautions

Do not discharge into the drains/ surface waters/ groundwater.

Prevent spread over a wide area (e.g. by containment or oil barriers).

7.

Handling and storage**Advice on safe handling**

Provide suitable extraction at the processing machines. Use only in well ventilated areas.

Advice on protection against fire and explosion

No special measures necessary.

Advice on storage compatibility

Do not store together with oxidizing agents.

Requirements for storage rooms and vessels

Prevent penetration into the ground. Keep only in original container.

Further information on storage conditions

Keep container tightly closed. Keep container in a well-ventilated place. Store in a dry place

8.

Exposure controls/personal protection**Ingredients with occupational exposure limits to be monitored: (GB)**

Substance	LTEL[ppm]	LTEL[mg/m ³]	General remarks
4,4'-Methylenediphenyl diisocyanate		0,02	as-NCO, Sen, 25/3
Diphenylmethanediisocyanate, isomeres and homologues		0,02	as-NCO, Sen, 25/3

LTEL: Long-term exposure limit

Respiratory protection

Breathing apparatus in the event of high concentrations.

Hand protection

Butyl rubber, >120 min (EN 374)

Eye protection

Safety glasses.

Skin protection

Light protective clothing.

General protective measures

Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink, smoke or take drugs. After worktime and before work breaks the affected skin areas must be thoroughly cleaned. Keep away from tobacco. Use barrier skin cream.

Delimitation and monitoring of the environmental exposition

Not determined.

9.

Physical and chemical properties	
Form: Liquid. Colour: Dark brown. Odour: Characteristic. pH-value: Not applicable. pH-value, 1%: Not applicable. Boiling point [°C]: 208 Flash point [°C]: 213 Flammability:[°C] Not determined. Lower explosion limit: Not applicable. Upper explosion limit: Not applicable. Combustible properties: No.	Vapour pressure [kPa]: Not determined. Density [g/ml]: 1,2 Solubility in water: Reacts with water. Partition coefficient: noctanol/ water: Not determined. Viscosity: Not applicable. Relative vapour density determined in air: Not determined. Evaporation speed: Not determined. Melting point [°C]: Not determined. Autoignition temperature [°C]: Not determined. Decomposition temperature [°C]: Not determined. Bulk density [kg/m³]: Not determined.

10.

Stability and reactivity
Hazardous reactions Reactions with water. Reactions with alcohols, amines, aqueous acids and alkalies. Hazardous decomposition products No hazardous decomposition products known.

11.

Toxicological information
Acute oral toxicity OECD 401 Not determined. Acute dermal toxicity OECD 402 Not determined. Acute inhalational toxicity OECD 403 Not determined. Irritant effect on skin OECD 404 Not determined. Irritant effect on eye OECD 405 Not determined. Sensitization OECD 406 Not determined. Subacute toxicity Not determined. Mutagenicity Not determined. Experiences made in practice None General remarks No toxicological data are available. The product was classified on the basis of the calculation procedure of the preparation directive. Carcinogenicity Not determined. Reproduction toxicity Not determined. Chronic toxicity Not determined.

12.

Ecological information
Fish toxicity Not determined. Daphnia toxicity Not determined Behaviour in environment compartments Not determined Behaviour in sewage plant Not applicable. Bacteria toxicity Not determined Biological degradability Not applicable. COD Not determined BOD5 Not determined AOX-advice No dangerous components. 76/464/EC Not applicable. General information Ecological data are not available.

13.

Disposal considerations	
Disposal / Product Dispose of as hazardous waste. Coordinate disposal with the authorities if necessary.	
Disposal / Contaminated packaging Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.	
Waste no. (recommended) 080501*	

14.

Transport information		
Classification according to ADR:	not classified as Dangerous Goods	
Declaration:		
Labelling:		
Factor, ADR 1.1.3.6:	Hazard-no:	Label:
LQ, ADR 3.4.6:	Vapour pressure [kPa]:	Not determined
Classification according to IMDG:		
Declaration:	not classified as Dangerous Goods	
Labelling:		
EmS:	Label:	LQ, [l/kg]:
Classification according to IATA:		
Declaration:	not classified as Dangerous Goods	
Labelling:		
Label:		

15.

Regulatory information	
Labelling: The product is classified and labelled in accordance with EC directives	
Hazard symbols	
<i>Harmful</i>	
Contains: 4,4'-Methylenediphenyl diisocyanate Diphenylmethanediisocyanate, isomeres and homologues Polypropylene glycol	
R 20/22: Harmful by inhalation and if swallowed. R 36/37/38: Irritating to eyes, respiratory system and skin. R 42/43: May cause sensitisation by inhalation and skin contact. S 23.3: Do not breathe vapour. S 36/37: Wear suitable protective clothing and gloves. S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Observe manufacturer's instructions.	

16.

Other information		
R 20: Harmful by inhalation. R 22: Harmful if swallowed. R 36/37/38: Irritating to eyes, respiratory system and skin. R 42/43: May cause sensitization by inhalation and skin contact.		
Creation date	01.05.09	Production Management
Replace sheet of	01.05.09	Martyn Barnes
Text of R-Statements listed in ingredients		
This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.		

