

# TRADE GRADE PRODUCTS LTD

## MATERIAL SAFETY DATA SHEET

### 1. Identification of the substance / preparation and company.

Product name                      TradePUR RC261

Supplier                              Trade Grade Products Limited

Address                                2 Thorne Way  
Woolsbridge Industrial Park  
Three Legged Cross  
Wimborne  
Dorset  
BH21 6FB

Emergency telephone number    01202 820177

### 2. Composition / Information on Ingredients.

<u>Material description</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>% Content</u>	<u>Health (class)</u>	<u>Risk (R No.)</u>
Diphenylmethane-4,4'-Diisocyanate	101-68-8	202-966-0	10 – 30	Xn, Xi	R20 R36/37/38 R42/43
N-Methyl-2-Pyrrolidone	872-50-4	212-828-1	1 - 10	Xi	R36/38

### 3. Hazards Identification.

Main hazards                        Irritating to eyes, respiratory system and skin.

   May cause sensitisation by inhalation and skin contact.

### 4. First Aid Measures (Symptoms).

Skin contact                        There may be irritation and redness around the area of contact.

Eye contact                         There may be irritation and redness.

Ingestion                            Nausea and stomach pain may occur. There may be vomiting. Convulsions may occur. There may be a loss of consciousness.

Inhalation                            Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. Convulsions may occur. There may be a loss of consciousness.

### 4. First Aid Measures (Action).

Skin contact                        Remove all contaminated clothing and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact                         Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion                            **DO NOT induce vomiting.** If conscious give 1 pint of water to drink immediately. If the casualty is unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital immediately.

Inhalation Remove casualty from exposure ensuring your own safety whilst doing so. If the casualty is unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital immediately.

### **5. Fire-fighting Measures.**

Extinguishing media Carbon dioxide, alcohol or polymer foam, dry chemical powder.

Exposure hazard In combustion emits toxic fumes.

Personal protection Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### **6. Accidental Release Measures.**

Personal precautions Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers 'leak-side up' to prevent the escape of liquid.

Environmental precautions Prevent the liquid entering drains, sewers or waterways. If the substance enters drains, sewers, etc inform the police or fire service. Contain the spillage using bunding.

Clean up of spillages Absorb into dry earth, sand, sawdust, etc. Wash the spillage site with large amounts of clean water.

### **7. Handling and Storage.**

Handling Ensure that there is sufficient ventilation in the work place. Avoid direct contact with the substance.

Storage Store in a cool, dry, well ventilated place. Keep containers tightly closed.

Packaging materials Must only be stored and used in original packaging.

### **8. Exposure Controls / Personal Protection.**

Exposure limits

Diphenylmethane-4,4'-Diisocyanate	<u>STD</u>	
	TWA (8 Hours)	0.02 mg/m <sup>3</sup>
	STEL (15 min)	0.07 mg/m <sup>3</sup>
N-Methyl-2-Pyrrolidone	TWA	103 mg/m <sup>3</sup>
	STEL	309 mg/m <sup>3</sup>

Ventilation Ensure good ventilation by means of local extraction at point of use.

Respiratory protection Wear respiratory protection where there is a risk of exposure to concentrations above OEL (occupational exposure limit). Self-contained breathing apparatus must be available for emergencies.

Hand protection Wear plastic or rubber gloves.

Eye protection Wear chemical resistant goggles.

Skin protection Wear protective clothing with elasticised cuffs and closed neck. Boots made of PVC. Ensure safety shower is available for emergencies.

Personal hygiene Apply skin protection crème before handling. Remove contaminated clothing. Wash hands before breaks and at the end of work.

**9. Physical and Chemical Properties.**

Appearance	Green liquid
Odour	Barely perceptible odour
Oxidising	Non-oxidising (by EC criteria)
Viscosity	5500 cps
Relative density @ 20°C	1.12

**10. Stability and Reactivity.**

Stability	Stable and un-reactive at normal temperatures and conditions.
Conditions to avoid	Heat.
Materials to avoid	Amines, alcohols, acids and alkalis.
Hazardous decomposition products	In combustion, emits toxic fumes of carbon monoxide and carbon dioxide.

**11. Toxicological Information.**

LD50 Oral (rat)	N-Methyl-2-Pyrrolidone 3914 mg/kg
Chronic toxicity	May cause sensitisation by inhalation. May cause sensitisation by skin contact.
Routes of exposure	Refer to section 4 for routes of exposure and corresponding symptoms.

**12. Ecological Information.**

Mobility	Non-volatile.
Degradability	Biodegradable.
Bioaccumulation	Bioaccumulation potential.
Adverse effects	Harmful to aquatic organisms.

**13. Disposal Consideration.**

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

Disposal of the wet adhesive is governed by the Control of Pollution (Special Wastes) Regulations 1980.

**14. Transport Information.**

Not classed as hazardous for carriage under current legislation.

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**15. Regulatory Information.**

CHIP Label for supply



HARMFUL

CHIP Risk phrases

R36/37/38  
R42/43Irritating to eyes, respiratory system and skin.  
May cause sensitisation by inhalation and skin contact.

CHIP Safety phrases

S23  
S24  
S36/37  
S45  
  
S63Do not breathe fumes.  
Avoid contact with skin.  
Wear suitable protective clothing and gloves.  
In case of accident or if you feel unwell, seek medical advice immediately (show the label if possible).  
In case of accident by inhalation, remove casualty to fresh air and keep at rest.

Regulatory references

CHIP Regulations 1996  
Health and Safety at Work Act 1974  
COSHH Regulations 1994**16. Other Information.**

Other information

This adhesive should be used in accordance with the supplier's recommendations.

The information provided in this data sheet is based on our current knowledge of the product and is intended to describe it for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Information sources

CHIP Approved supply list.  
CHIP Approved guide to the classification and labelling of substances and preparations dangerous for supply.  
CHIP Approved carriage list.  
Raw materials suppliers literature.  
Occupational exposure limits 1994 (EH40).