



# SAFETY DATA SHEET - TIMco MULTI-FIX 6 in 1® 5 minute POLYURETHANE WOOD ADHESIVE 310ml

P281	Use personal protective equipment as required.
P284	[In case of inadequate ventilation] wear respiratory protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/ attention.
P501	Dispose of contents/ container in accordance with national regulations.
RCH004a	Persons already sensitised to diisocyanates may develop allergic reactions when using this product.
RCH004b	Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.
RCH004c	This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.
Contains	DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

## 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE		30-60%
CAS number: 101-68-8	EC number: 202-966-0	REACH registration number: 01-2119457014-47-0000
Classification		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Resp. Sens. 1 - H334		
Skin Sens. 1 - H317		
Carc. 2 - H351		
STOT SE 3 - H335		
STOT RE 2 - H373		
2,2'DIMORPHOLINYLDIETHYL ETHER		1-5%
CAS number: 6425-39-4	EC number: 229-194-7	REACH registration number: 01-2119969278-20-0000
Classification		
Eye Irrit. 2 - H319		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

General information	Remove affected person from source of contamination.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	DO NOT induce vomiting. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

### 4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	Severe irritation, burning and tearing.

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## 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

## SECTION 5: FIREFIGHTING MEASURES

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### 5.1. Extinguishing media

Suitable extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards

The product is non-combustible. Irritating gases or vapours. Not known.

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

### 5.3. Advice for firefighters

Protective actions during firefighting

Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.

Special protective equipment for firefighters:

Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Absorb spillage with non-combustible, absorbent material. Absorb spillage with noncombustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: HANDLING AND STORAGE

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### 7.1. Precautions for safe handling

Usage precautions

Avoid inhalation of vapours and spray/mists. Avoid contact with skin and eyes. Do not use in confined spaces without adequate ventilation and/or respirator. Spraying is permitted only in closed systems, spray cabinets or spray boxes with adequate ventilation.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in closed original container at temperatures between 5°C and 25°C.

Storage class

Chemical storage.

### 7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1. Control parameters

Occupational exposure limits

#### DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m<sup>3</sup>(Sen)

Short-term exposure limit (15-minute): WEL 0.07 mg/m<sup>3</sup>(Sen)

WEL = Workplace Exposure Limit.

Ingredient comments WEL = Workplace Exposure Limits

#### DIPHENYLMETHANE-4,4'-DI-ISOCYANATE (CAS: 101-68-8)

DNEL

Workers - Inhalation; Short term systemic effects: 0.1 mg/m<sup>3</sup>

Workers - Dermal; Short term local effects: 28.7 mg/cm<sup>2</sup>

Workers - Inhalation; Short term local effects: 0.1 mg/m<sup>3</sup>

Workers - Inhalation; Long term systemic effects: 0.05 mg/m<sup>3</sup>

Workers - Inhalation; Long term local effects: 0.05 mg/m<sup>3</sup>

Consumer - Dermal; Short term systemic effects: 25 mg/kg bw/day

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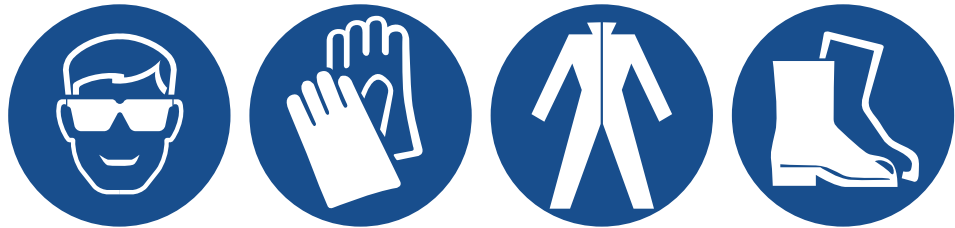
Workers - Dermal; Short term systemic effects: 50 mg/kg bw/day  
 Consumer - Oral; Short term systemic effects: 20 mg/kg bw/day  
 Consumer - Dermal; Short term local effects: 17.2 mg/cm<sup>2</sup>  
 Consumer - Inhalation; Short term local effects: 0.05 mg/m<sup>3</sup>  
 Consumer - Inhalation; Long term systemic effects: 0.025 mg/m<sup>3</sup>  
 Consumer - Inhalation; Long term local effects: 0.025 mg/m<sup>3</sup>  
 Consumer - Inhalation; Short term systemic effects: 0.05 mg/m<sup>3</sup>  
 PNEC  
 - Marine water; 0.1 mg/l  
 - STP; 1 mg/l  
 - Fresh water; 1 mg/l  
 - Soil; 1 mg/kg

## 2,2'DIMORPHOLINYLDIETHYL ETHER (CAS: 6425-39-4)

DNEL  
 Workers - Inhalation; Long term systemic effects: 7.28 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 1 mg/kg bw/day  
 Consumer - Inhalation; Long term systemic effects: 1.8 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 0.5 mg/kg bw/day  
 Consumer - Oral; Long term systemic effects: 0.5 mg/kg bw/day  
 PNEC  
 - Fresh water; 0.1 mg/l  
 - Marine water; 0.01 mg/l  
 - Intermittent release; 1 mg/l  
 - Sediment (Freshwater); 8.2 mg/kg  
 - Sediment (Marinewater); 0.82 mg/kg  
 - STP; 100 mg/l  
 - Soil; 1.58 mg/kg

## 8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection	Wear chemical splash goggles.
Hand protection	It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber.
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Wash hands after handling. When using do not eat, drink or smoke.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: ABEK2-P3.
Environmental exposure controls	Keep container tightly sealed when not in use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Coloured gel.
Colour	Cream.
Odour	Musty (mouldy).
Odour threshold	Not available.
pH	Not available.
Melting point	<10°C
Initial boiling point and range	330°C @ mbar
Flash point	>200°C CC (Closed cup).
Evaporation rate	Slow
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not available.
Vapour pressure	0.01 Pa @ °C
Vapour density	8.5

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Relative density	1.10 @ 20°C
Bulk density	Not available.
Solubility(ies)	Insoluble in water. Hardens in contact with water.
Partition coefficient	Not available.
Auto-ignition temperature	>600°C
Decomposition Temperature	Not available.
Viscosity	Kinematic viscosity > 20.5 mm <sup>2</sup> /s.
Explosive properties	Not available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not available.
Comments	Information given is applicable to the product as supplied.

## 9.2. Other information

Other information	No information required.
Refractive index	Not available.
Particle size	Not available.
Molecular weight	Not available.
Volatility	Not available.
Saturation concentration	Not available.
Critical temperature	Not available.

## SECTION 10: STABILITY AND REACTIVITY

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### 10.1. Reactivity

Reactivity	The product will harden into a solid mass in contact with water and moisture.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable. May polymerise.
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### 10.4. Conditions to avoid

Conditions to avoid	Avoid contact with water.
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### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.
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## SECTION 11: TOXICOLOGICAL INFORMATION

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### 11.1. Information on toxicological effects

Acute toxicity - oral	Acute toxicity oral (LD <sub>50</sub> mg/kg) Species	10,000.0 Rat
Acute toxicity - dermal	Acute toxicity dermal (LD <sub>50</sub> mg/kg) Species	10,000.0 Rabbit
Acute toxicity - inhalation	Species ATE inhalation (vapours mg/l)	Rat 26.83
Skin corrosion/irritation	Animal data	Irritating.
Serious eye damage/irritation	Serious eye damage/irritation	Moderately irritating.
Respiratory sensitisation	Respiratory sensitisation	Sensitising.
Carcinogenicity	Carcinogenicity Target organ for carcinogenicity	Suspected carcinogen based on limited evidence. No specific target organs known.
Reproductive toxicity	Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.

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Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Morphological changes that are potentially reversible but provide clear evidence of marked organ dysfunction.
Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.
Inhalation	Irritating to respiratory system. May cause sensitisation by inhalation.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Irritating to skin. May cause sensitisation by skin contact.
Eye contact	Irritation of eyes and mucous membranes.
Acute and chronic health hazards	May cause sensitisation by skin contact. The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation. May cause respiratory system irritation. Frequent inhalation of vapours may cause respiratory allergy.
Route of entry	Inhalation Skin and/or eye contact
Medical symptoms	Irritation of eyes and mucous membranes. Coughing, chest tightness, feeling of chest pressure.
Medical considerations	Chronic respiratory and obstructive airway diseases.

## Toxicological information on ingredients.

### DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Acute toxicity - oral	Acute toxicity oral (LD <sub>50</sub> mg/kg)	10,000.0
	Species	Rat
	ATE oral (mg/kg)	10,000.0
Acute toxicity - dermal	Acute toxicity dermal (LD <sub>50</sub> mg/kg)	9,400.0
	Species	Rabbit
	ATE dermal (mg/kg)	9,400.0
Acute toxicity - inhalation	Acute toxicity inhalation (LC <sub>50</sub> vapours mg/l)	0.31
	Species	Rat
	ATE inhalation (vapoursmg/l)	11.0

Carcinogenicity	IARC carcinogenicity IARC Group 3	Not classifiable as to its carcinogenicity to humans.
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### 2,2'DIMORPHOLINYLDIETHYL ETHER

Acute toxicity - oral	Acute toxicity oral (LD <sub>50</sub> mg/kg)	2,025.0
	Species	Rat
	Notes (oral LD <sub>50</sub> )	No information available.
Acute toxicity - dermal	Acute toxicity dermal (LD <sub>50</sub> mg/kg)	3,038.0
	Species	Rabbit
	Notes (dermal LD <sub>50</sub> )	No information available.
	Species	Rabbit
	Notes (dermal LD <sub>50</sub> )	No information available.
Acute toxicity - inhalation	Notes (inhalation LC <sub>50</sub> )	No information available.
Skin corrosion/irritation	Skin corrosion/irritation	No information available.
Serious eye damage/irritation		

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	Serious eye damage/irritation	No information available.
Respiratory sensitisation	Respiratory sensitisation	No information available.
Skin sensitisation	Skin sensitisation	No information available.
Carcinogenicity	IARC carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
	Inhalation	May be harmful if inhaled. Spray/mists may cause respiratory tract irritation.
	Ingestion	May be harmful if swallowed.
	Skin contact	May be absorbed through the skin. May be harmful in contact with skin. May cause skin irritation.
	Eye contact	May cause eye irritation.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: > 1000 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: >500 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 72 hours: ~ 1640 mg/l, Scenedesmus subspicatus

Ecological information on ingredients.

### DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: >1000 mg/l, Marinewater fish
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 24 hours: >1000 mg/l, Daphnia magna
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: >10 mg/l, Daphnia magna

### 2,2'DIMORPHOLINYLDIETHYL ETHER

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 2150 mg/l,
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - microorganisms	EC <sub>50</sub> , 3 hours: >1000 mg/l, Bacteria

### 12.2. Persistence and degradability

Persistence and degradability	The product is not readily biodegradable.
Stability (hydrolysis)	Reacts with water.
Biological oxygen demand	< 10 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	Not available.

Ecological information on ingredients.

### DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Partition coefficient log Pow: 4.51

### 12.4. Mobility in soil

Mobility The product is non-volatile.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### 13.1. Waste treatment methods

General information	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	070208

## SECTION 14: TRANSPORT INFORMATION

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General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Transport labels

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous

substance/marine pollutant No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

Control of Pollution Act 1974.

Guidance

Approved Classification and Labelling Guide (Sixth edition) L131.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

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Revision Date	19.07.2018
Revision	1
Hazard statements in full	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
Store Between	Store Between 5°C - 25°C
Contains SVHC	NO