

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations Issue date: 21/02/2017 Revision date: 10/02/2020 Supersedes: 3/05/2019 Version: 3.0

SECTION 1: Product identifier

1.1. GHS Product identifier		
Product form Trade name Product code	: Mixture : PLAST X A - HARDENER : PLAS/A	
1.2. Other means of identification		
No additional information available		
1.3. Recommended use of the chemica	al and restrictions on use	
Recommended use Restrictions on use	 Coating Consumer uses: Private households (= general public = consumers) 	
1.4. Details of manufacturer or imported	er	
Supplier U-POL Australia Pty Limited Ltd 55 Leland Street Penrith NSW 2750 Australia T 02 4731 2655 - F 02 4731 2611 info@u-pol.com.au - www.u-pol.com	Supplier U-POL New Zealand Limited Ltd c/o Lindsay & Associates Unit H, 12 Amera Place, East Tamaki Manukau City Auckland 2013 New Zealand T + 612 4731 2655 / 027 630 3691 - F + 612 4731 2611 info@u-pol.co.nz - www.u-pol.com	
1.5. Emergency phone number		
Emergency number	: Australia (CHEMTREC): + (61) - 290372994 ; New Zealand (National Poisons Centre): 0800 764 766	

2.1. Classification of the hazardous chemical		
Classification according to the model Work Health and Safety Regulations (WHS Regulations)		
Skin corrosion/irritation, Category 2	H315	
Serious eye damage/eye irritation, Category 2A	H319	
Respiratory sensitisation, Category 1	H334	
Skin sensitisation, Category 1	H317	
Carcinogenicity, Category 2	H351	
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	
Specific target organ toxicity – Repeated exposure, Category 2	H373	
2.2. GHS Label elements, including precautionary statements		

Hazard pictograms (GHS AU)





Exclamation Health hazard mark

: Danger

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: formaldehyde, homopolymer with aniline and carbonyl dichloride (<5 %); aromatic polyisocyanate (<5 %); polymethylene polyphenyl isocyanate (10 – 30 %); 4,4'- methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (<5 %); o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate (<5 %); 2,2'- methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate (<5 %)

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Hazard statements (GHS AU)	 H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation 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 (hearing organs) through prolonged or repeated exposure (inhalation)
Precautionary statements (GHS AU)	 P260 - Do not breathe fume, vapours. P264 - Wash hands thoroughly after handling. P280 - Wear eye protection, protective clothing, protective gloves. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P337+P313 - If eye irritation persists: Get medical attention. P308+P313 - IF exposed or concerned: Get medical attention. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
formaldehyde, homopolymer with aniline and carbonyl dichloride	32055-14-4	<5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
aromatic polyisocyanate	67815-87-6	<5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335 STOT RE 2, H373
polymethylene polyphenyl isocyanate	9016-87-9	10 – 30	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate	101-68-8	<5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

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Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate	5873-54-1	<5	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Other substances (not contributing to the classification of this product)	-	0.04	-

SECTION 4: First aid measures	
4.1. Description of necessary first-aid meas	ures
First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Symptoms caused by exposure	
Symptoms/effects after inhalation	: May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
4.3. Medical attention and special treatment	
Other medical advice or treatment	: Treat symptomatically.

SECTION 5: Fire-fighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.		
5.2. Specific hazards arising from the chemical			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.		
5.3. Special protective equipment and precautions for fire-fighters			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		

SECTION 6: Accidental release measures		
6.1. Personal precautions, prote	ctive equipment and emergency procedures	
6.1.1. For non-emergency personnel		
Protective equipment	: Safety glasses. Protective clothing. Gloves.	
Emergency procedures	: Ventilate spillage area. Do not breathe vapours, fume. Avoid contact with skin and eyes.	

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6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and materials for containn	nent and cleaning up
For containment	: Collect spillage. Contain released product, collect/pump into suitable containers.

Methods for cleaning up

Collect spillage. Contain released product, collect/pump into suitable containers.
Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

SECTION 7: Handling and storage	ye
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe vapours, fume. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, inc	luding any incompatibilities
Storage conditions Storage temperature Storage area Special rules on packaging	 Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. < 25 °C Store in a well-ventilated place. Keep only in original container.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)		
Australia - Occupational Exposure Limits		
Local name	Methylene bisphenyl isocyanate (MDI; Diphenylmethane diisocyanate)	
OES TWA [1]	0.02 mg/m³	
OES STEL	0.07 mg/m³	
Remark (AU)	Carcinogenicity Category 2 – Suspected human carcinogen. The classification of a chemical into this category is on the basis of evidence from human and animal studies, where the evidence is not sufficiently convincing to place the chemical into Category 1 or from limited evidence of carcinogenicity in human or animal studies; Sen - Respiratory and/or Skin Sensitiser.	
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)	
New Zealand - Occupational Exposure Limits		
Local name	Diphenylmethane diisocyanate (MDI, Methylene bisphenyl isocyanate) (Isocyanates)	
WES-TWA (OEL TWA) [1]	0.02 mg/m³	
WES-STEL (OEL STEL)	0.07 mg/m³	
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition	
New Zealand - Biological Exposure Indices		
Local name	4,4-Methylene diphenyl diisocyanate (MDI, 4,4-Methylene bisphenyl isocyanate)	

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4,4'-methylenedipheny	vl diisocyanate; dipheny	/Imethane-4,4'-diisoo	cyanate	e (101-68-8)			
BEI		10 μg/g creatinine Parameter: 4,4-Diaminodiphenyl (following hydrolysis) - Medium: Urine - Sampling time: End of shift or end of exposure					
Regulatory reference	Workplace Exposure S	tandard	s and Biological	Exposure Indice	s, 12th	Edition	
8.2. Biological Monitor	ing						
No additional information av	vailable						
8.3. Engineering control	ols						
Appropriate engineering cor	ntrols :	Ensure good ventilation	of the w	ork station.			
8.4. Individual protection	on measures, such as p	ersonal protective e	quipm	ent (PPE)			
Materials for protective clothing : Impermeable clothing Hand protection : Protective gloves							
Туре	Material	Permeation	Thickn	ess (mm)	Penetration		Standard
Protective gloves	Chloroprene rubber (CR)	6 (> 480 minutes)	0.5				EN ISO 374
Protective gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.35				EN ISO 374
Protective gloves	Butyl rubber	6 (> 480 minutes)	0.35				EN ISO 374
Protective gloves	Fluorinated rubber	6 (> 480 minutes)	0.4				EN ISO 374
Eye protection	:	Safety glasses					
Туре		Field of application		Characteristics		Standard	
Safety glasses				With side shields		EN 166	
Skin and body protection	:	Wear suitable protective					
Respiratory protection	:	[In case of inadequate v	rentilatio	n] wear respirate	bry protection.		
Device		Filter type Conditio		Condition	Condition Sta		ard
Supplied-Air Respirator (S	AR)						
Breathing apparatus		Particle filter, Type P2, Type AX - Low-boiling (<65 °C) organic compounds					

Personal protective equipment symbol(s)



Environmental exposure controls

: Avoid release to the environment.

SECTION 9: Physical and chemical properties

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Relative density	: No data available
Density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: 0 g/l
VOC content - Regulatory	: No data available
Percent Solids	: 0 wt%

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not
	be produced.

SECTION 11: Toxicological information	
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified : Not classified : Not classified
polymethylene polyphenyl isocyanate (9016	-87-9)
LD50 oral rat	> 10000 mg/kg (Rat, Literature study, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Literature study, Dermal)
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
ATE AU (dust,mist)	1.5 mg/l/4h
4,4'-methylenediphenyl diisocyanate; diphe	nylmethane-4,4'-diisocyanate (101-68-8)
LD50 oral rat	> 2000 mg/kg bodyweight (Rat, Male / female, Read-across, Oral, 14 day(s))
LD50 dermal rabbit	> 9400 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s))
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
ATE AU (gases)	4500 ppmv/4h
ATE AU (vapours)	11 mg/l/4h
ATE AU (dust,mist)	1.5 mg/l/4h
aromatic polyisocyanate (67815-87-6)	
ATE AU (gases)	4500 ppmv/4h
ATE AU (vapours)	11 mg/l/4h
ATE AU (dust,mist)	1.5 mg/l/4h
o-(p-isocyanatobenzyl)phenyl isocyanate; d	iphenylmethane-2,4'-diisocyanate (5873-54-1)
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: other:84/449/EEC (Gazette of the European Community, No. L 251, of 19 Sept, 1984, page 96)
LD50 dermal rabbit	> 9400 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h

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o-(p-isocyanatobenzyl)phenyl isocyanate; dip	henylmethane-2,4'-diisocyanate (5873-54-1)	
ATE AU (gases)	4500 ppmv/4h	
ATE AU (vapours)	11 mg/l/4h	
ATE AU (dust,mist)	1.5 mg/l/4h	
Skin corrosion/irritation :	Causes skin irritation.	
	Causes serious eye irritation.	
Respiratory or skin sensitisation :	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.	
Germ cell mutagenicity :	Not classified	
Carcinogenicity :	Suspected of causing cancer.	
	Not classified	
STOT-single exposure :	May cause respiratory irritation.	
polymethylene polyphenyl isocyanate (9016-8	37-9)	
STOT-single exposure	May cause respiratory irritation.	
4,4'-methylenediphenyl diisocyanate; dipheny	/Imethane-4,4'-diisocyanate (101-68-8)	
STOT-single exposure	May cause respiratory irritation.	
aromatic polyisocyanate (67815-87-6)		
STOT-single exposure	May cause respiratory irritation.	
o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate (5873-54-1)		
STOT-single exposure	May cause respiratory irritation.	
formaldehyde, homopolymer with aniline and	carbonyl dichloride (32055-14-4)	
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure :	May cause damage to organs (hearing organs) through prolonged or repeated exposure (inhalation).	
polymethylene polyphenyl isocyanate (9016-8	37-9)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
4,4'-methylenediphenyl diisocyanate; dipheny	/Imethane-4,4'-diisocyanate (101-68-8)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
aromatic polyisocyanate (67815-87-6)		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate (5873-54-1)		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
formaldehyde, homopolymer with aniline and	carbonyl dichloride (32055-14-4)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard :	Not classified	

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified

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Hazardous to the aquatic environment, long-term : (chronic)	Not classified	
polymethylene polyphenyl isocyanate (9016-87-9)		
LC50 - Other aquatic organisms [1]	> 1000 mg/l (96 h, Literature study)	
BCF - Fish [1]	268.1 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	10.46 (Calculated, KOWWIN)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	9.078 – 10.597 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
4,4'-methylenediphenyl diisocyanate; diphen	yImethane-4,4'-diisocyanate (101-68-8)	
LC50 - Fish [1]	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Read-across, Nominal concentration)	
EC50 - Crustacea [1]	129.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Read-across, Locomotor effect)	
ErC50 algae	> 1640 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)	
BCF - Fish [1]	92 – 200 (OECD 305: Bioconcentration: Flow-Through Fish Test, 4 week(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value, GLP)	
Partition coefficient n-octanol/water (Log Pow)	4.51 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.53 – 5.455 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
o-(p-isocyanatobenzyl)phenyl isocyanate; di	phenylmethane-2,4'-diisocyanate (5873-54-1)	
LC50 - Fish [1]	> 1000 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
EC50 - Crustacea [1]	> 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Read-across, Locomotor effect)	
ErC50 algae	> 1640 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)	
NOEC (chronic)	≥ 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
BCF - Fish [1]	92 – 200 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Cyprinus carpio, Flow-through system, Fresh water, Read-across, GLP)	
Partition coefficient n-octanol/water (Log Pow)	4.51 (Read-across, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.53 – 5.464 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
12.2. Persistence and degradability		
polymethylene polyphenyl isocyanate (9016-	87-9)	
Persistence and degradability	Not readily biodegradable in water.	
4,4'-methylenediphenyl diisocyanate; diphen	ylmethane-4,4'-diisocyanate (101-68-8)	
Persistence and degradability	Not readily biodegradable in water.	
o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate (5873-54-1)		
Persistence and degradability	Not readily biodegradable in water.	
12.3. Bioaccumulative potential		
polymethylene polyphenyl isocyanate (9016-	87-0)	
BCF - Fish [1]	268.1 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)	
	200.1 why (Dor Dri vo.01, Estimated value, Tresh weight)	

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polymethylene polyphenyl isocyanate (9016-8	17-9)		
Partition coefficient n-octanol/water (Log Pow)	10.46 (Calculated, KOWWIN)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	9.078 – 10.597 (log Koc, SRC PCKOCWIN v2.0, Calculated value)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)			
BCF - Fish [1]	92 – 200 (OECD 305: Bioconcentration: Flow-Through Fish Test, 4 week(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value, GLP)		
Partition coefficient n-octanol/water (Log Pow)	4.51 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.53 – 5.455 (log Koc, SRC PCKOCWIN v2.0, Calculated value)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
o-(p-isocyanatobenzyl)phenyl isocyanate; dip	henylmethane-2,4'-diisocyanate (5873-54-1)		
BCF - Fish [1]	92 – 200 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Cyprinus carpio, Flow-through system, Fresh water, Read-across, GLP)		
Partition coefficient n-octanol/water (Log Pow)	4.51 (Read-across, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.53 – 5.464 (log Koc, SRC PCKOCWIN v2.0, Calculated value)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		

12.4. Mobility in soil

polymethylene polyphenyl isocyanate (9016-87-9)			
Surface tension	No data available in the literature		
Partition coefficient n-octanol/water (Log Pow)	10.46 (Calculated, KOWWIN)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	See section 12.1 on ecotoxicology9.078 – 10.597 (log Koc, SRC PCKOCWIN v2.0, Calculated value)		
Ecology - soil	Adsorbs into the soil.		
4,4'-methylenediphenyl diisocyanate; dipher	nylmethane-4,4'-diisocyanate (101-68-8)		
Surface tension	No data available in the literature		
Partition coefficient n-octanol/water (Log Pow)	4.51 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	See section 12.1 on ecotoxicology4.53 – 5.455 (log Koc, SRC PCKOCWIN v2.0, Calculated value)		
Ecology - soil	Adsorbs into the soil.		
o-(p-isocyanatobenzyl)phenyl isocyanate; di	phenylmethane-2,4'-diisocyanate (5873-54-1)		
Partition coefficient n-octanol/water (Log Pow)	4.51 (Read-across, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	See section 12.1 on ecotoxicology4.53 – 5.464 (log Koc, SRC PCKOCWIN v2.0, Calculated value)		
Ecology - soil	Adsorbs into the soil.		
12.5. Other adverse effects			
Ozone :	Not classified		
Other adverse effects :	No additional information available		

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PLAST X A - HARDENER		
Fluorinated greenhouse gases	False	
polymethylene polyphenyl isocyanate (9016-87-9)		
Fluorinated greenhouse gases	False	
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)		
Fluorinated greenhouse gases	False	
aromatic polyisocyanate (67815-87-6)		
Fluorinated greenhouse gases	False	
o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate (5873-54-1)		
Fluorinated greenhouse gases	False	
formaldehyde, homopolymer with aniline and carbonyl dichloride (32055-14-4)		
Fluorinated greenhouse gases	False	

SECTION 13: Disposal considerations		
Regional legislation (waste) Waste treatment methods	Disposal must be done according to official regulations.Dispose of contents/container in accordance with licensed collector's sorting instructions.	
SECTION 14: Transport inform	nation	
14.1. UN number		
UN-No. (ADG)	: Not regulated	
UN-No. (IMDG)	: Not regulated	
UN-No. (IATA)	: Not regulated	

	. Not regulated
14.2. UN Proper Shipping Name	
Proper Shipping Name (ADG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not regulated Not regulated Not regulated
14.3. Transport hazard class(es)	
ADG Transport hazard class(es) (ADG)	: Not regulated
IMDG Transport hazard class(es) (IMDG)	: Not regulated
IATA Transport hazard class(es) (IATA)	: Not regulated
14.4. Packing group	
Packing group (ADG) Packing group (IMDG) Packing group (IATA)	: Not regulated : Not regulated : Not regulated
14.5. Environmental hazards	
Marine pollutant Dangerous for the environment Other information	: No : No : No supplementary information available

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14.6. Special precautions for user	
Specific storage requirement	: No data available
Shock sensitivity	: No data available
14.7. Additional information	
Other information	: No supplementary information available
Transport by road and rail Not regulated	
Transport by sea Not regulated	
Air transport Not regulated	
14.8. Hazchem or Emergency Action Code	e
Hazchem Code	: Not applicable
SECTION 15: Regulatory information	
15.1. Safety, health and environmental reg	gulations specific for the product in question
No additional information available	
Hazardous Substances and New Organisms Ac	ct contract of the second s
HSNO Approval Number Group standard	: HSR002679 : Surface coatings and colourants
polymethylene polyphenyl isocyanate (90	016-87-9)
Hazardous Substances and New Organisms A	.ct
HSNO Approval Number	HSR003222
4,4'-methylenediphenyl diisocyanate; dip	henylmethane-4,4'-diisocyanate (101-68-8)
Hazardous Substances and New Organisms A	.ct
HSNO Approval Number	HSR003218
15.2. International agreements	
No additional information available	
SECTION 16: Other information	
Revision date	: 10/02/2020

Classification	
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Resp. Sens. 1	H334
Skin Sens. 1	H317
Carc. 2	H351
STOT SE 3	H335
STOT RE 2	H373

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Full text of H-statements	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
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

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