

WABOCRETE II PTA

Version 4.0 Revision Date: 07/01/2022 SDS Number: 000000258318 Date of last issue: 09/21/2021
Date of first issue: 12/04/2020

SECTION 1. IDENTIFICATION

Product name : WABOCRETE II PTA
Product code : 000000000056583106 000000000056583106
Other means of identification : Part #14380H

Manufacturer or supplier's details

Company name of supplier : Master Builders Solutions Canada Inc.
Address : 1800 CLARK BLVD
Brampton ON L6T 4M7
Emergency telephone : ChemTel: +1-813-248-0585;
National Emergency Telephone Number : USA: +1-800-255-3924 ChemTel contract no. MIS9240420

Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals
Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the Hazardous Products Regulations**

Acute toxicity (Inhalation) : Category 4
Skin irritation : Category 2
Eye irritation : Category 2B
Respiratory sensitization : Category 1
Skin sensitization : Category 1B
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)
Specific target organ toxicity - repeated exposure (Inhalation) : Category 2 (Respiratory system, Olfactory organs)

GHS label elements

Hazard pictograms :



WABOCRETE II PTA

Version	Revision Date:	SDS Number:	Date of last issue: 09/21/2021
4.0	07/01/2022	000000258318	Date of first issue: 12/04/2020

Signal Word : Danger

Hazard Statements : H315 + H320 Causes skin and eye irritation.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs (Respiratory system, Olfactory organs) through prolonged or repeated exposure if inhaled.

Precautionary Statements : **Prevention:**
P260 Do not breathe mist or vapors.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves.
P285 In case of inadequate ventilation wear respiratory protection.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.
P362 Take off contaminated clothing and wash before reuse.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

CONTAINS ISOCYANATES. INHALATION OF ISOCYANATE MISTS OR VAPORS MAY CAUSE RESPIRATORY IRRITATION, BREATHELESSNESS, CHEST DISCOMFORT AND REDUCED PULMONARY FUNCTION. OVEREXPOSURE WELL ABOVE THE PEL MAY RESULT IN BRONCHITIS, BRONCHIAL SPASMS AND PULMONARY EDEMA. LONG-TERM EXPOSURE TO ISOCYANATES HAS BEEN REPORTED TO CAUSE LUNG DAMAGE, INCLUDING REDUCED LUNG FUNCTION WHICH MAY BE PERMANENT. ACUTE OR CHRONIC OVEREXPOSURE TO ISOCYANATES MAY CAUSE SENSITIZATION IN SOME

WABOCRETE II PTA

Version 4.0 Revision Date: 07/01/2022 SDS Number: 000000258318 Date of last issue: 09/21/2021
 Date of first issue: 12/04/2020

INDIVIDUALS, RESULTING IN ALLERGIC RESPIRATORY REACTIONS INCLUDING WHEEZING, SHORTNESS OF BREATH AND DIFFICULTY BREATHING. ANIMAL TESTS INDICATE THAT SKIN CONTACT MAY PLAY A ROLE IN CAUSING RESPIRATORY SENSITIZATION.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
 Chemical nature : Isocyanates

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Diphenylmethane-4,4'-diisocyanate (MDI)	MDI	101-68-8	>= 25 - < 50
Methylenediphenyl diisocyanate	Benzene, 1,1'-methylenebis[isocyanato-	26447-40-5	>= 25 - < 50

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice : First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

If inhaled : Keep patient calm, remove to fresh air. If symptoms persist, seek medical advice.

In case of skin contact : After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

In case of eye contact : Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution and seek medical advice.

If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Most important symptoms and effects, both acute and delayed : Causes skin and eye irritation. May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure if inhaled.

WABOCRETE II PTA

Version	Revision Date:	SDS Number:	Date of last issue: 09/21/2021
4.0	07/01/2022	000000258318	Date of first issue: 12/04/2020

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Foam
Water spray
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : water jet
- Hazardous combustion products : nitrous gases
fumes/smoke
isocyanate
harmful vapours
- Further information : Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
- Special protective equipment for fire-fighters : Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Clear area.
Ensure adequate ventilation.
Wear suitable personal protective clothing and equipment.
- Environmental precautions : Contain contaminated water/firefighting water.
Do not discharge into drains/surface waters/groundwater.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : The product is not easily combustible and also not self combustible.
- Advice on safe handling : Provide suitable exhaust ventilation at the processing machines.
Ensure thorough ventilation of stores and work areas.
Avoid aerosol formation.
When handling heated product, vapours of the product should be ventilated, and respiratory protection used.
Wear respiratory protection when spraying.
Use suitable chemically resistant gloves.
Danger of bursting when sealed gastight.
Protect against moisture.
If bulging of drum occurs, transfer to well ventilated area,

WABOCRETE II PTA

Version 4.0 Revision Date: 07/01/2022 SDS Number: 000000258318 Date of last issue: 09/21/2021
 Date of first issue: 12/04/2020

- puncture to relieve pressure, open vent and let stand for 48 hours before resealing.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
- Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.
- Materials to avoid : Keep away from water. Segregate from foods and animal feeds. Segregate from acids and bases.
- Recommended storage temperature : 16 - 27 °C
- Further information on storage stability : If moisture enters isocyanate containers, CO₂ forms and pressure builds up. The stated storage temperature is noted for health and safety in the workplace. With regard to Quality, please refer to the product specific Technical Bulletin.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Diphenylmethane-4,4'-diisocyanate (MDI)	101-68-8	TWA	0.005 ppm 0.05 mg/m ³	CA AB OEL
		TWA	0.005 ppm	CA BC OEL
		C	0.01 ppm	CA BC OEL
		TWA	0.005 ppm	CA ON OEL
		C	0.02 ppm	CA ON OEL
		TWAEV	0.005 ppm 0.051 mg/m ³	CA QC OEL
Methylenediphenyl diisocyanate	26447-40-5	TWA	0.005 ppm	ACGIH
		TWAEV	0.005 ppm 0.051 mg/m ³	CA QC OEL
		TWA	0.005 ppm	CA BC OEL
		C	0.01 ppm	CA BC OEL

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and

WABOCRETE II PTA

Version	Revision Date:	SDS Number:	Date of last issue: 09/21/2021
4.0	07/01/2022	000000258318	Date of first issue: 12/04/2020

change out schedules are in place.

For emergency or non-routine, high exposure situations, including confined space entry, use a NIOSH-certified full face-piece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

Hand protection

Remarks : Chemical resistant protective gloves should be worn to prevent all skin contact. Suitable materials may include chloroprene rubber (Neoprene) nitrile rubber (Buna N) chlorinated polyethylene polyvinylchloride (Pylox) butyl rubber depending upon conditions of use.

Eye protection

: Tightly fitting safety goggles (chemical goggles).
Wear face shield if splashing hazard exists.

Skin and body protection

: Cover as much of the exposed skin as possible to prevent all skin contact.
Suitable materials may include saran-coated material depending upon conditions of use.

Protective measures

: Wear protective clothing as necessary to prevent contact.
Eye wash fountains and safety showers must be easily accessible.
Observe the appropriate PEL or TLV value.

Hygiene measures

: When using, do not eat, drink or smoke.
Hands and/or face should be washed before breaks and at the end of the shift.
At the end of the shift the skin should be cleaned and skin-care agents applied.
Gloves must be inspected regularly and prior to each use.
Replace if necessary (e.g. pinhole leaks).
Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	light yellow
Odor	:	faintly aromatic
Odor Threshold	:	not determined
pH	:	Not applicable

WABOCRETE II PTA

Version 4.0 Revision Date: 07/01/2022 SDS Number: 000000258318 Date of last issue: 09/21/2021
Date of first issue: 12/04/2020

Freezing point	:	-10 °C
Melting point	:	No data available
Boiling point/boiling range	:	200 °C (7 hPa)
Flash point	:	> 200 °C Method: open cup
Evaporation rate	:	No data available
Flammability (liquids)	:	Not classified as a flammability hazard
Self-ignition	:	Based on its structural properties the product is not classified as self-igniting.
Upper explosion limit / Upper flammability limit	:	For liquids not relevant for classification and labelling.
Lower explosion limit / Lower flammability limit	:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.
Vapor pressure	:	< 0.0001 mmHg (25 °C)
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	1.214 g/cm ³ (20 °C)
Solubility(ies)	:	
Water solubility	:	Reacts with water.
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 470 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity	:	
Viscosity, dynamic	:	640 mPa.s (25 °C)
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	Not an oxidizer.

WABOCRETE II PTA

Version 4.0 Revision Date: 07/01/2022 SDS Number: 000000258318 Date of last issue: 09/21/2021
Date of first issue: 12/04/2020

Sublimation point : No data available
Molecular weight : No data available
Metal corrosion rate : No corrosive effect on metal.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability : The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions : On contact with water, gaseous decomposition products are formed, which cause build-up of pressure in tightly closed containers.
Reacts with alcohols.
Reacts with acids.
Reacts with alkalis.
Reacts with amines.
Risk of exothermic reaction.
Risk of polymerization.
Contact with certain rubbers and plastics can cause brittleness of the substance/product with subsequent loss in strength.

Conditions to avoid : Avoid moisture.

Incompatible materials : Acids
Amines
Alcohols
Water
Alkalines
Strong bases
Substances/products that react with isocyanates.

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.
hydrogen cyanide
Aromatic isocyanates

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Harmful if inhaled.

Product:

Acute inhalation toxicity : Acute toxicity estimate: 13.75 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: Calculation method

WABOCRETE II PTA

Version 4.0 Revision Date: 07/01/2022 SDS Number: 000000258318 Date of last issue: 09/21/2021
Date of first issue: 12/04/2020

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes eye irritation.

Respiratory or skin sensitization**Skin sensitization**

May cause an allergic skin reaction.

Respiratory sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs (Respiratory system, Olfactory organs) through prolonged or repeated exposure if inhaled.

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks : The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Persistence and degradability**Product:**

Biodegradability : Remarks: Taking into consideration the properties of several ingredients, the product is estimated not to be readily biode-

WABOCRETE II PTA

Version 4.0 Revision Date: 07/01/2022 SDS Number: 000000258318 Date of last issue: 09/21/2021
Date of first issue: 12/04/2020

gradable according to OECD classification.

Stability in water : Degradation half life: 20 h
Hydrolysis: at 25 °C

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available.
Discharge into the environment must be avoided.

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : Do not discharge product into the environment without control.
The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Incinerate or dispose of in a licensed facility.
Do not discharge substance/product into sewer system.
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Contaminated packaging should be emptied as far as possible
and disposed of in the same manner as the substance/product.
Do not attempt to refill or clean containers since residue is difficult to remove.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

WABOCRETE II PTA

Version	Revision Date:	SDS Number:	Date of last issue: 09/21/2021
4.0	07/01/2022	000000258318	Date of first issue: 12/04/2020

Domestic regulation**TDG**

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

NPRI Components : Diphenylmethane-4,4'-diisocyanate (MDI)

The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

DSL : This product contains one or more components not listed on the Canadian DSL or NDSL. All other components are on the Canadian DSL.

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
 CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
 CA BC OEL : Canada. British Columbia OEL
 CA ON OEL : Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.
 CA QC OEL : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
 ACGIH / TWA : 8-hour, time-weighted average
 CA AB OEL / TWA : 8-hour Occupational exposure limit
 CA BC OEL / TWA : 8-hour time weighted average
 CA BC OEL / C : ceiling limit
 CA ON OEL / C : Ceiling Limit (C)
 CA ON OEL / TWA : Time-Weighted Average Limit (TWA)
 CA QC OEL / TWA EV : Time-weighted average exposure value

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Con-

WABOCRETE II PTA

Version	Revision Date:	SDS Number:	Date of last issue: 09/21/2021
4.0	07/01/2022	000000258318	Date of first issue: 12/04/2020

centration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Revision Date : 07/01/2022
Date format : mm/dd/yyyy

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