



**GATOR BLOCK BOND XP**  
**LOW VOC POLYURETHANE ADHESIVE**  
SDS Revision Date (dd/mm/yyyy): 08/02/2019



# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

**Product name :** Gator Block Bond XP

**Recommended use of the chemical and restriction on use**  
Recommended use\*: for industrial and professional users

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

### Details of the supplier of the safety data sheet

**Supplier :** Alliance Designer Products Inc.  
225 Blvd Bellerose West  
Laval, Quebec  
Canada  
H7L 6A1  
www.alliancegator.com Tel: 450-624-1611

**Emergency Telephone number :** CHEMTREC (800) 424-9300  
CANUTEC (613)996-6666

### Other means of identification

Chemical family: aromatic isocyanates

## SECTION 2 - HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

### DANGER



### Classification of the product

Acute Tox.	4 (Inhalation - mist)	Acute toxicity
Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
Resp. Sens.	1	Respiratory sensitization
Skin Sens.	1B	Skin sensitization
STOT SE	3 (irritating to respiratory system)	Specific target organ toxicity – single exposure
STOT RE	2 (by inhalation)	Specific target organ toxicity – repeated exposure



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**Hazard Statement:**

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H373	May cause damage to organs (Olfactory organs) through prolonged or repeated exposure (inhalation).

**Precautionary Statements (Prevention):**

P280	Wear protective gloves and eye/face protection.
P271	Use only outdoors or in a well-ventilated area.
P260	Do not breathe dust/gas/mist/vapours.
P284	In case of inadequate ventilation wear respiratory protection.
P272	Contaminated work clothing should not be allowed out of the workplace.
P264	Wash with plenty of water and soap thoroughly after handling.

**Precautionary Statements (Response):**

P312	Call a POISON CENTER or doctor/physician 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.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314	Get medical advice/attention if you feel unwell.
P303 + P362	IF ON SKIN (or hair): Wash with plenty of soap and water.
P333 + P311	If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician.

**Precautionary Statements (Storage):**

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

**Precautionary Statements (Disposal):**

P501	Dispose of contents/container to hazardous or special waste collection point.
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**Hazards not otherwise classified :**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.



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**Labeling of special preparations (GHS):**

CONTAINS ISOCYANATES. INHALATION OF ISOCYANATE MISTS OR VAPORS MAY CAUSE RESPIRATORY IRRITATION, BREATHLESSNESS, 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 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**

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

CAS Number	Weight %	Chemical name
101-68-8	>= 10.0 - < 15.0%	Diphenylmethane-4,4'-diisocyanate (MDI)
26447-40-5	>= 3.0 - < 5.0%	Methylenediphenyl diisocyanate
57636-09-6	>= 0.1 - < 0.2%	Isocyanic acid, polymethylenepolyphenylene ester, polymer with alpha.-hydro.-omega.-hydroxypoly(oxy-1,2-ethanediyl)
14807-96-6	>= 25.0 - < 50.0%	talc
64742-46-7	>= 1.0 - < 5.0%	Distillates (petroleum), hydrotreated middle

**SECTION 4 - FIRST AID MEASURES**

**DESCRIPTION OF FIRST AID MEASURES**

**General advice:**

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

**If inhaled:**

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

**If on skin:**

Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**If swallowed:**

Rinse mouth and then drink plenty of water. Do not induce vomiting.

**Most important symptoms and effects, both acute and delayed**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.



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Hazards: Respiratory sensitization may result in allergic (asthma-like) signs in the lower respiratory tract including wheezing, shortness of breath and difficulty breathing, the onset of which may be delayed. Repeated inhalation of high concentrations may cause lung damage, including reduced lung function, which may be permanent. Substances eliciting lower respiratory tract irritation may worsen the asthma-like reactions that may be produced by product exposures.

**Indication of any immediate medical attention and special treatment needed**

**Note to physician**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

**SECTION 5 - FIRE FIGHTING MEASURES**

**Extinguishing media**

Suitable extinguishing media: foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media  
for safety reasons: water jet

**Special hazards arising from the substance or mixture**

Hazards during fire-fighting: harmful vapours, nitrogen oxides, fumes/smoke, carbon black, carbon oxides  
See MSDS section 10 - Stability and reactivity.

**Advice for fire-fighters**

Protective equipment for fire-fighting: Wear a self-contained breathing apparatus.

**Further information:**

The degree of risk is governed by the burning substance and the fire conditions.  
Contaminated extinguishing water must be disposed of in accordance with official regulations.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

**Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

**Methods and material for containment and cleaning up**

For small amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.  
For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.





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### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory Protection :** Wear appropriate certified respirator when exposure limits may be exceeded.

**Hand protection :** Chemical resistant protective gloves.

**Eye protection :** Safety glasses with side-shields.

**Body protection :** Body protection must be chosen based on level of activity and exposure.

### General safety

#### and hygiene measures: :

Avoid contact with the skin, eyes and clothing. No special measures necessary if stored and handled correctly. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. 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).

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	paste
Odour:	oily, mild
Odour threshold:	No applicable information available.
Colour:	tan
pH value:	neutral to slightly alkaline
Melting point:	not applicable
Boiling point:	No applicable information available.
Sublimation point:	No applicable information available.
Flash point:	> 200 °F (> 93.34 °C)
Flammability:	not determined
Lower explosion limit:	1.6 %(V)
Upper explosion limit:	10.2 %(V)
Autoignition:	No data available.
Vapour pressure:	No data available.
Density:	10.8 - 11.5 lb/USg
Relative density:	1.294 - 1.378
Bulk density:	1.26 g/cm <sup>3</sup>
Vapour density:	Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):	No data available.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	No applicable information available.
Solubility in water:	slightly soluble
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Evaporation rate:	No applicable information available.



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Other Information: If necessary, information on other physical and chemical parameters is indicated in this section.

## SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	No hazardous reactions if stored and handled as prescribed/indicated.
Oxidizing properties:	Based on its structural properties the product is not classified as oxidizing.
Chemical stability :	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions :	The product is stable if stored and handled as prescribed/indicated.
Conditions to avoid :	See MSDS section 7 - Handling and storage.
Incompatible materials :	strong acids, strong bases, strong oxidizing agents, strong reducing agents
Hazardous decomposition products	
Decomposition products :	No hazardous decomposition products if stored and handled as prescribed/indicated.
Thermal decomposition :	No decomposition if stored and handled as prescribed/indicated.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Inhalation of vapours may cause irritation of the mucous membranes of the nose, throat or trachea, breathlessness, chest discomfort, difficult breathing and reduced pulmonary function. Inhalation exposure well above the PEL may result additionally in eye irritation, headache, chemical bronchitis, asthma-like findings or pulmonary edema. Isocyanates have also been reported to cause hypersensitivity pneumonitis, which is characterized by flu-like symptoms, the onset of which may be delayed.

#### Oral

No applicable information available.

#### Inhalation

Type of value: ATE

Value: 3.11 mg/l

Determined for mist

#### Dermal

No applicable information available.

### Assessment other acute effects

Assessment of STOT single: Causes temporary irritation of the respiratory tract.

### Irritation / corrosion

Assessment of irritating effects: Irritating to eyes, respiratory system and skin. Skin contact may result in dermatitis, either irritative or allergic.



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Sensitization

Assessment of sensitization: Sensitization after skin contact possible. As a result of previous repeated overexposures or a single large dose, certain individuals will develop isocyanate sensitization (chemical asthma) which will cause them to react to a later exposure to isocyanate at levels well below the PEL/TLV. These symptoms, which include chest tightness, wheezing, cough, shortness of breath, or asthmatic attack, could be immediate or delayed up to several hours after exposure. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Chronic over exposure to isocyanates has also been reported to cause lung damage, including a decrease in lung function, which may be permanent. Prolonged contact can cause reddening, swelling, rash, scaling, or blistering. In those who have developed a skin sensitization, these symptoms can develop as a result of contact with very small amounts of liquid material, or even as a result of vapour-only exposure. Animal tests indicate that skin contact may play a role in causing respiratory sensitization.

Aspiration Hazard

Study scientifically not justified.

**Chronic Toxicity/Effects**

Repeated dose toxicity.

Assessment of repeated dose toxicity: The substance may cause damage to the olfactory epithelium after repeated inhalation. The substance may cause damage to the lung after repeated inhalation. These effects are not relevant to humans at occupational levels of exposure.

Genetic toxicity

Assessment of mutagenicity: The substance was mutagenic in various bacterial test systems; however, these results could not be confirmed in tests with mammals.

Carcinogenicity

Assessment of carcinogenicity: A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure. IARC Group 3 (not classifiable as to human carcinogenicity).

Information on: Diphenylmethane-4,4'-diisocyanate (MDI)

Assessment of carcinogenicity: A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure. IARC Group 3 (not classifiable as to human carcinogenicity).

Information on: P-MDI

Assessment of carcinogenicity: A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure. IARC Group 3 (not classifiable as to human carcinogenicity).

Information on: Methylenediphenyl diisocyanate

Assessment of carcinogenicity: A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. These effects are not relevant to humans at occupational levels of exposure. IARC Group 3 (not classifiable as to human carcinogenicity).

Reproductive toxicity

Assessment of reproduction toxicity: Repeated inhalative uptake of the substance did not cause damage to the reproductive organs.



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Teratogenicity

Assessment of teratogenicity: The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals.

Other Information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

**Symptoms of Exposure**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Medical conditions aggravated by overexposure

The isocyanate component is a respiratory sensitizer. It may cause allergic reaction leading to asthma-like spasms of the bronchial tubes and difficulty in breathing. Medical supervision of all employees who handle or come into contact with isocyanates is recommended. Contact may aggravate pulmonary disorders. Persons with history of respiratory disease or hypersensitivity should not be exposed to this product. Preemployment and periodic medical examinations with respiratory function tests (FEV<sub>1</sub>, FVC as a minimum) are suggested. Persons with asthmatic conditions, chronic bronchitis, other chronic respiratory diseases, recurrent eczema or pulmonary sensitization should be excluded from working with isocyanates. Once a person is diagnosed as having pulmonary sensitization (allergic asthma) to isocyanates, further exposure is not recommended.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity :

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. Based on long-term (chronic) toxicity study data, the product is very likely not harmful to aquatic organisms. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

**PERSISTENCE AND DEGRADABILITY**

Assessment biodegradation and elimination (H<sub>2</sub>O)

Not readily biodegradable (by OECD criteria).

**BIOACCUMULATIVE POTENTIAL**

Assessment bioaccumulation potential

Based on a weight of evidence, the compound will not bioaccumulate.

**MOBILITY IN SOIL**

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.



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**Additional information**

Other ecotoxicological advice:

Do not release untreated into natural waters. Do not allow to enter soil, waterways or waste water channels. The product has not been tested. The statement has been derived from the properties of the individual components.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL OF SUBSTANCE:**

Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

**SECTION 14 - TRANSPORT INFORMATION**

**Land transport**

**USDOT**

Not classified as a dangerous good under transport regulations

**Sea transport**

**IMDG**

Not classified as a dangerous good under transport regulations

**Air transport**

**IATA/ICAO**

Not classified as a dangerous good under transport regulations

**Further information**

DOT: This product is regulated if the amount in a single receptacle exceeds the Reportable Quantity (RQ). Please refer to Section 15 of this MSDS for the RQ for this product.

**SECTION 15 - REGULATORY INFORMATION**

**FEDERAL REGULATIONS**

**Registration status:**

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

**EPCRA 313:**

**CAS Number**

101-68-8  
9016-87-9

**Chemical name**

Diphenylmethane-4,4'-diisocyanate (MDI)  
P-MDI

**CERCLA RQ**

5000 LBS

**CAS Number**

101-68-8

**Chemical name**

Diphenylmethane-4,4'-diisocyanate (MDI)



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**State regulations**

**State RTK**

NJ

**CAS Number**

101-68-8

9016-87-9

14807-96-6

26447-40-5

64742-46-7

PA

101-68-8

14807-96-6

64742-46-7

**Chemical name**

Diphenylmethane-4,4'-diisocyanate (MDI)

P-MDI

talc

Methylenediphenyl diisocyanate

Distillates (petroleum), hydrotreated middle

Diphenylmethane-4,4'-diisocyanate (MDI)

talc

Distillates (petroleum), hydrotreated middle

**NFPA Hazard codes:**

Health : 2

Fire: 1

Reactivity: 0

Special:

**SECTION 16 -OTHER INFORMATION**

**SDS Prepared on:** 08/02/2019

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.