

GMX Elastomeric Coating

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: N/A Date of Issue: 09/15/2015

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Polyurethane

Product Name: GMX Elastomeric Coating

Name, Address, and Telephone of the Responsible Party

Manufacturer

GMX, Inc.
P.O. Box 743
Matthews, NC 28106

Emergency Telephone Number

Emergency Number: 1-800-424-9300 (CHEMTREC)

Main Switch Board: (704) 334-8222

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Flam. Liq. 3	H226
Asp. Haz. 1	H304
Skin Irrit. 2	H315
Skin Sens. 1	H317
Eye Irrit. 2A	H319
Acute Inhal. 2	H330
Resp. Sens., 1	H334
Mutagenicity, 1B	H340
Carc., 1B	H350
Carc., 2B	H351
Aquatic Acute 1	H400
Aquatic Acute 2	H401
Aquatic Chronic 3	H412

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

- :
- H226 – Flammable liquid and vapor.
 - H304 – May be fatal if swallowed and enters airways
 - H315 – Causes skin irritation
 - H317 – May cause an allergic skin reaction.
 - H319 – Causes serious eye irritation.
 - H330-Fatal if inhaled
 - H334 – May cause allergy of asthma symptoms or breathing difficulties if inhaled.
 - H340 – May cause genetic defects.
 - H350 – May cause cancer.
 - H351-Suspected of causing cancer
 - H400-Very toxic to aquatic life.

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H401 – Toxic to aquatic life.

H412-Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US)

- : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe spray.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P281 - Use personal protective equipment as required.
P284 - Wear respiratory protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.
P310 - Immediately call a POISON CENTER or doctor/physician.
P320 - Specific treatment is urgent (see supplemental first aid instructions on this label).
P321 - Specific treatment (see supplemental instructions on the administration of antidotes on this label).
P331 - Do NOT induce vomiting.
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362 - Take off contaminated clothing and wash before reuse.
P363 - Wash contaminated clothing before reuse.
P370 + P378 - In case of fire: Use (See Section 5) for extinction.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved landfill.

Other Hazards

Other Hazards Not Contributing to the Classification: Not available.

Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not available

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Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Carbon Black	CAS No (1333-86-4)	5-10	H351 - Carc. 2
Toluene diisocyanate	CAS No (26471-62-5)	0.1-1	H315 - Skin Irrit. 2 H317 - Skin Sens. 1, H319 - Eye Irrit. 2A H330 - Acute Tox. 1 (Inhalation: dust, mist), H334 - Resp. Sens. 1A H335 - STOT SE 3 H412 - Aquatic Chronic 3
Stoddard Solvent	CAS No (8052-41-3)	1-5	H226 - Flam. Liq. 3 H340 - Muta. 1B H350 - Carc. 1B H304 - Asp. Tox. 1 H400 - Aquatic Acute 1 H411 - Aquatic Chronic 2

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

First-aid Measures After Inhalation: Leave area to breathe fresh air. Oxygen therapy may be necessary, seek medical attention if needed. Should be observed by physician immediately if exposure is severe.

First-aid Measures After Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

First-aid Measures After Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

First-aid Measures After Ingestion: Do not induce vomiting. Call a physician or Poison Control Center immediately. Give 3-4 glasses of water, but DO NOT induce vomiting. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Foam. Carbon dioxide (CO₂).

Special Hazards Arising From the Substance or Mixture

Keep product and empty container away from heat and sources of ignition.

Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use personal protective equipment. Remove all sources of ignition. Ventilate spill area.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and Material for Containment and Cleaning Up

For Containment and Clean Up: Cured material can be scraped up and collected in waste disposal container. Do not close the waste disposal container air-tight. If material gets contaminated, it can react and cause rupture of the container.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

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Precautions for Safe Handling

Store in a cool, dry area. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Do not contaminate with water.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep away from heat and sources of ignition. Keep out of the reach of children. Keep in a dry, cool and well-ventilated place.

Incompatible Materials: Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls

Appropriate Engineering Controls: Do not allow ventilation equipment to draw material odors indoors..

Personal Protective Equipment: Gloves. Protective goggles.



Hand Protection: Protective gloves.

Eye Protection: Goggles. If splashes are likely to occur, wear. Face-shield.

Skin and Body Protection: Nitrile rubber. Neoprene gloves. Solvent-resistant apron and boots.

Respiratory Protection: Wear MSHA/NIOSH approved organic vapor or charcoal filtered cartridge respirator or positive pressure supplied air respirator with full-face piece or an air-supplied hood if airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS.

Hygiene Measures: When using, do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of workday.

Other Information: When using, do not eat, drink, or smoke.

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWA EV	Mexico
Carbon Black	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³	STEL: 7 mg/m ³ TWA: 3.5 mg/m ³
Toluene diisocyanate	TWA: 0.005 ppm STEL: 0.02 ppm		CEV: 0.02 ppm CEV: 0.8 µmol/m ³ TWA: 0.005 ppm TWA: 0.2 µmol/m ³	
Stoddard Solvent	TWA: 100 ppm	TWA: 2900 mg/m ³ TWA: 500 ppm	TWA: 525 mg/m ³	STEL: 200 ppm STEL: 1050 mg/m ³ TWA: 523 mg/m ³ TWA: 100 ppm

Chemical Name	NIOSH IDLH
Carbon Black	1750 mg/m ³
Stoddard Solvent	20000 mg/m ³

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Fluid
Appearance	: Black
Odor	: Oily, solvent
Odor Threshold	: Not available
pH	: Not available
Relative Evaporation Rate (butyl acetate = 1)	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point/Range	: 300-550°F / 148.8-287.8°C
Flash Point	: 150°F / 65.6°C
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available

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Relative Vapor Density at 68°F (20°C)	:	Not available
Relative Density	:	9.18 -9.51
Specific Gravity	:	Not available
Solubility	:	Insoluble in water. Reacts slowly with water
Partition coefficient: n-octanol/water	:	Not available
Explosion Data – Sensitivity to Mechanical Impact	:	Not available
Explosion Data – Sensitivity to Static Discharge	:	Not available
VOC Content	:	100 g/L

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to Avoid: Protect from water.

Incompatible Materials: Water. Alcohols. Amines. Acids. Bases. High temperature.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects – Ingredient(s)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Carbon Black	15400 mg/kg Rat	3 g/kg Rabbit	
Toluene diisocyanate	3360 mg/kg Rat	10000 mg/kg Rabbit	0.1 mg/L Rat 4 h 13.9 ppm Rat 4 h 66 ppm Rat 1 h
Distillates, petroleum, heavy thermal cracked	4320 mg/kg Rat	2000 mg/kg Rabbit 2000 mg/kg Rat	
Petroleum distillates, hydrotreated light	5000 mg/kg Rat	2000 mg/kg Rabbit	5.2 mg/L Rat 4 h
Aromatic solvent	8400 mg/kg Rat	2000 mg/kg Rabbit	3400 ppm Rat 4 h 5.2 mg/L Rat 4 h

Chronic Toxicity

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
Carbon Black		Group 2B		X	
Toluene diisocyanate		Group 2B	Reasonably Anticipated	X	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Carbon Black

Water Flea Data

Daphnia magna EC50>5600 mg/L (24 h)

Petroleum distillates, hydrotreated light

Water Flea Data

Den-dronereides heteropoda LC50=4720 mg/L (96 h)

Aromatic solvent

Water Flea Data

Daphnia magna EC50=6.14 mg/L (48 h)

Environmental Transport: No data.

Environmental Degradation: No data

Soil Absorption/Mobility: No data

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SECTION 13: DISPOSAL CONSIDERATIONS

Disposal: Contact the RCRA/Superfund Hotline at (800) 424-9346 or your regional US EPA office for guidance concerning case specific disposal issues. Follow applicable Federal, state, and local regulations.

Contaminated Packaging: Empty containers should be taken for local recycling, recovery or waste disposal.

Chemical Name	RCRA
Toluene diisocyanate - 26471-62-5	waste number U223

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Proper Shipping Name : Non-Regulated Material.

In Accordance with IMDG

Proper Shipping Name : Not Regulated.

Hazard Class :

Identification Number :

Packing Group :

Marine Pollutant :

In Accordance with IATA

Proper Shipping Name : Not Regulated.

Hazard Class :

Identification Number :

Packing Group :

Marine Pollutant :

In Accordance with TDG

Proper Shipping Name : Not Regulated.

Hazard Class :

Identification Number :

Packing Group :

Marine Pollutant :

SECTION 15: REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	China	KECL	PICCS	AICS
Carbon Black	X	X		X	X	X	X	X	X	X
Toluene diisocyanate	X	X		X		X	X	X	X	X
Distillates, petroleum, heavy thermal cracked	X	X		X			X	X	X	X
Petroleum distillates, hydrotreated light	X	X		X			X	X	X	X
Aromatic solvent	X	X		X			X	X	X	X
Stoddard Solvent	X	X		X			X	X	X	X
Aromatic Polyurethane polymer mixture	X	X	X	X	X	X	X	X	X	X

TSCA: Complies

DSL: Complies

NDSL: Complies

EINECS: Complies

ELINCS: Complies

ENCS: Complies

CHINA: Complies

KECL: Complies

PICCS: Complies

AICS: Complies

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USA

Federal Regulations

SARA 313

Polycyclic aromatic compounds (PBT); Toluene diisocyanate (mixed isomer) 26471-62-5; 1,2,4-trimethylbenzene 95-63-6

Chemical Name	SARA 313 - Threshold Values
Toluene diisocyanate (CAS #: 26471-62-5)	0.1%

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs: Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

State Regulations

California Proposition 65

WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

Chemical Name	CAS-No	Category	Type
Carbon Black	1333-86-4	Carcinogen	
Toluene diisocyanate	26471-62-5	Carcinogen	

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Carbon Black	X	X	X	X	X
Toluene diisocyanate	X		X		
Stoddard Solvent	X	X	X		X

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Hazard Class

B3 Combustible liquid

D2B Toxic materials



SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 09/16/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

GMX, Inc.

P.O. Box 743

Matthews, NC 28106

This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any

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specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.

North America GHS US 2015 & WHMIS