

TexNov



SEALANT COATING MET-HD

High performance solvent-based sealer

TexNov Met-HD is a solvent-based acrylic sealant. It does not make white spots on contact with water and dries quickly under normal conditions of application. It enables concrete to develop its full potential in terms of increased strength, durability, sealing and wear resistance.

TexNov Met-HD has been specially designed to optimally protect acrylic coatings, pavers, cement and fresh concrete. Once the sealer is dry, it will help preserve the natural color and prevent dirt pick-up.

TexNov

Acrylic Coatings
Manufacturer

TEXNOV MET-HD

Curing & sealant agent

1- Description

TexNov Met-HD is a solvent-based acrylic sealant. It does not make white spots on contact with water and dries quickly under normal conditions of application.

TexNov Met-HD enables concrete to develop its full potential in terms of increased strength, durability, sealing and wear resistance.

TexNov Met-HD has been specially designed to optimally protect acrylic coatings, pavers, cement and fresh concrete. Once the sealer is dry, it will help preserve the natural color and prevent dirt pick-up.

2- Characteristics & Advantages

Characteristics	Advantages
Good water resistance	Does not bleach when immersed
Good abrasion resistance	Reduces tire marks
Wet look finish	Enhances the original color and gives a shiny/glossy finish
Good UV resistance	Does not degrade upon exposure to sunlight
Easy to apply	Apply with a roller, a brush or spray

3- Coverage

The quantity to apply will depend on the surface, texture and porosity of the concrete.

Regular concrete:

3.78 L covers ± 15 m² (1 gal covers ± 162 ft²)
 18.9 L covers ± 75,6 m² (5 gal covers ± 814 ft²)

Porous concrete:

3.78 L covers ± 12.6 m² (1 gal covers ± 136 ft²)
 18.9 L covers ± 63 m² (5 gal covers ± 678 ft²)

4- Application

Consult the substrates sheets for the type of application in compliance with your type of surface or visit our website.

www.texnov.com

Apply the product early in the morning or in the shade. Avoid rain during application and drying. Concrete and air temperature should be between 12 and 25°C. High humidity and no wind may increase the required drying time.

The concrete must be clean and free of oil, grease, debris and dirt. Use a pressure washer and the appropriate Texnov product to obtain a clean surface.

Before the application of **TexNov Met-HD** the surface must be completely dry. A fresh acrylic coating should dry for 72 hours minimum before applying **TexNov Met-HD**.

Because of the solvents present, any application of this sealant on a water-based coating that has not completely dried will result in a peel and possible stripping of the coating.

TexNov Met-HD is easy to use. It can be applied by roller, sprayer (hand or electric) or sheepskin. Use the container directly without diluting and apply a uniform and even coat. Avoid excessive accumulation of product. Respect the recommended quantities. Wait 24 hours between each layer.

Note: For use in a garage, wait 3 weeks before entering the cars.

Maintenance: Over time, traffic will use **TexNov Met-HD** sealant. It is recommended to reapply the product to 3 or 4 years if necessary.

5. Cleaning

Clean tools and equipment with cleaning agent such as paint thinner. Do not use tools and brushes that are not resistant to solvents.

6- Personal Protection

When using **TexNov Met-HD**, it is recommended to wear the following safety equipment:

- Safety goggles or protective glasses
- Chemical resistant gloves
- Long sleeves and/or rubber based protective clothing

For indoor work: It is recommended to ensure adequate ventilation to maintain vapor concentrations in the air. If necessary:

Wear a face mask if ventilation is inadequate. (Respirator approved / certified with organic vapor cartridges).

7- Storage / Shelf Life

TexNov Met-HD Sealant can be stored upright in a cool, dry, well ventilated area at room temperature in a sealed container.

Keep away from sources of heat or flame and away from incompatible materials. Keep away from frost. The shelf life of the product is 1 year.

8- HMIS Rating

Health 2
Flammability 3
Reactivity 0

Regulatory information SGH (2015):

Flammable liquids - Category 2
Skin Irritation - Category 2
Eye irritation - Category 2A
Reproductive toxicity (fertility) - category 2
Specific target organ toxicity single exposure (respiratory tract irritation and narcotic effects) -Category 3
Specific target organ toxicity - repeated exposure - Category 2
Aspiration hazard - Category 1

Chemical components:

Xylene - 15% CAS No. 1330-20-7
Acetone - 33% CAS No. 67-64-1
VOC (Volatile Organic Compounds): 400 g / L

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT	COMPANY IDENTIFICATION
<p>Name: Texnov MET-HD</p> <p>Description: Solvent-based sealer designed for inter-blocks, pavers, porous stone and concrete. High performance acrylic sealer.</p> <p>Restriction of use: Use between 4 and 30 °C.</p>	<p>TexNov inc. 839 Joseph-Louis-Mathieu Sherbrooke, Québec, Canada J1R 0X3 Emergency Phone Number: 1 877 316-6388</p>

SECTION 2 - HAZARD IDENTIFICATION

Pictograms



Warning statements

DANGER

Product classification

Flammable liquids - Category 2

Skin Irritation - Category 2

Eye irritation - Category 2A

Reproductive toxicity (fertility) - category 2

Specific target organ toxicity single exposure

(respiratory tract irritation and narcotic effects) - Category 3

Specific target organ toxicity - repeated exposure - Category 2

Aspiration hazard - Category 1

Hazard statements

Highly flammable liquid and vapor.

Causes serious eye irritation.

Causes skin irritation.

Suspected of damaging fertility.

May be fatal if swallowed and enters airways.

May irritate the respiratory tract and may cause drowsiness or dizziness.

May cause damage to organs through prolonged exposure.

Prevention: Obtain instructions before use. Do not handle until you have read and understood all safety precautions. Wear protective gloves / protective clothing / eye protection, face protection and respiratory protection. Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking. Use explosion-proof electrical, ventilation, lighting and handling equipment. Do not use tools that produce sparks. Take precautionary measures against electrostatic discharge. Grounding and equipotential bonding of the container and receiving equipment is required. Keep the container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapors. Wash hands thoroughly after handling.

Intervention: Consult a doctor if you feel unwell. In case of proven or suspected exposure: consult a doctor. **INGESTION:** Call Poison Control Center or doctor immediately. Do NOT induce vomiting. **EYES:** Rinse cautiously with water for several minutes. Remove contact lenses by lifting the eyelids occasionally. **SKIN:** Immediately take off all contaminated clothing and wash before reuse. Rinse skin with water or shower. Wash thoroughly with soap and water. If skin irritation occurs: Get medical attention. **INHALATION:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel

unwell. If the person is no longer breathing, give artificial respiration and seek medical attention. If breathing is difficult, remove victim to fresh air. Take off immediately all contaminated clothing and shoes.

Storage: Store in a well-ventilated place. Keep the container tightly closed. Store at a temperature of 5 to 30°C. Keep away from frost. Keep locked up.

Disposal: Dispose of contents and container in accordance with local regulations.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS number	% (weight/weight)
Acetone	67-64-1	≥25 - <50
Tert-butyl acetate	540-88-5	≥10 - <25
xylene	1330-20-7	≥10 - <20
Para-chlorobenzotrifluoride	98-56-6	≥5 - <10

Based on current knowledge and applicable concentrations, there are no other ingredients in this product that are classified as hazardous by GHS and that should be reported in this section.

SECTION 4 - FIRST AID MEASURES

Eye contact: Flush eyes with water. Consult a physician if irritation persists.

Skin contact: Soap and rinse exposed area thoroughly. Consult a physician if irritation persists.

Inhalation: Move person to a well-ventilated area. Consult a doctor if headaches persist.

Ingestion: Rinse mouth with water. Do not induce vomiting unless prompted by medical advice. Do not swallow anything to an unconscious person.

SECTION 5 - FIRE-FIGHTING MEASURES

Flammable product, Combustible liquid. If this product is heated or comes into contact with fire, a pressure increase will occur and the container may burst, possibly causing a risk of explosion. Runoff into sewers can create a fire or explosion hazard.

Product of combustion: They are oxides of carbon, nitrogen oxides and halogenated compounds. This substance maintains combustion.

Special Fire Fighting Procedures: In the presence of fire, quickly control the site by evacuating any person near the scene of the accident. Do not take any action that involves personal risk or lack of proper training. Move containers out of the fire zone if it is safe. Cool containers exposed to flames with a spray of water spray. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a positive-pressure face shield.

Use the appropriate extinguishers. Use dry chemical powders, CO₂, water spray (fog) or foam.

DO NOT use a water jet.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Do not take any action that involves personal risk or lack of proper training. Evacuate the surroundings. Prevent access to uncomfortable or unprotected people. Do not touch or walk in the spilled product. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respiratory equipment when the ventilation system is inadequate. Wear appropriate personal protective equipment. Notify the relevant authorities if the product has caused environmental pollution. Absorb spills with inert dry material and place in a suitable waste container. Eliminate through a licensed specialty company. Dispose of in accordance with local or regional regulations required by the authorities.

SECTION 7 - HANDLING AND STORAGE

Handling Precaution: Do not handle until you have read and understood all safety precautions. Do not breathe dust / fume / gas / mist / vapors / spray. Wear protective gloves / protective clothing and eye protection / face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when handling this product.

Storage Conditions: Store in a well-ventilated area far away from any source of heat, spark or flames. Keep the container tightly closed. Store at a temperature of 5 to 30°C. Keep away from frost. Keep locked up. Keep in a dry place away from frost and sun.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

CONTROL PARAMETERS:

Occupational Exposure Limits:

Breathable vapors	RSST		ACGIH TLV	
	VEMP	DIVS	TWA	STEL
Ingredient				
Acetone	500 ppm	2500 ppm	250 ppm	500 ppm
Tert-butyl acetate	200 ppm	1500 ppm	200 ppm	Not available
Xylene	100 ppm	900 ppm	100 ppm	150 ppm

RSST : Regulation respecting occupational health and safety; VEMP : Weighted average exposure value

DIVS : Immediate danger to life and health; ACGIH : American Conference of Governmental Industrial Hygienists

TLV : Threshold limit value; TWA : Time-weighted average; STEL : Short-term exposure limit

Controls: Use only in a well-ventilated environment. Use enclosed enclosures, source exhaust ventilation, or other built-in automatic control systems to maintain the technician's exposure to airborne contaminants below recommended or legal limits. Engineering controls must also maintain concentrations of gas, vapor or dust below any minimum explosion threshold. Use explosion-proof ventilation equipment. Make sure there is a shower and eyewash near the workplace.

Individual protection measures

After handling chemicals, wash your hands, forearms and face thoroughly before eating, smoking or using the toilet. Use appropriate techniques to remove contaminated clothing. Contaminated work clothing should not leave the workplace. Wash contaminated clothing before reuse.

Respiratory protection: Wear appropriate respiratory protection if emission of fumes / vapors may exceed permissible limits. Use in a well ventilated place.

Eye Protection: Safety eyewear complying with an approved standard is required when a risk assessment recommends it, to avoid splash exposure.

Hand protection: When handling chemicals, wear chemical resistant, impermeable gloves complying with an approved standard at all times if a risk assessment indicates this is necessary. It should be noted that the breakthrough time for any material used in gloves may vary for different glove manufacturers. Appropriate footwear and any other appropriate skin protection measures should be selected based on the task being performed.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid.

Odor: specific.

Odor threshold: Not available

pH: Not applicable.

Freezing point: 0°C

Boiling point: 54°C

Flash Point: -18°C

Evaporation rate: Not available.

Flammability (solid and gas): Not available.

Explosive limit: Not available.

Vapor pressure: Not available.

Vapor density: Not available.

Relative density: 0.94.

Solubility in water: may not be diluted with water.

Partition coefficient n-octanol / water: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Not available.

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability: This product is considered stable under the recommended storage conditions.

Reactivity: Incompatible with strong oxidants and acids.

Conditions to avoid: Eliminate all possible sources of ignition (sparks or flames). Do not pressurize, cut, weld, braze, puncture, grind or expose containers to heat or ignition.

Possibility of hazardous reactions: This product can not polymerize.

Hazardous decomposition product: If the product is heated to combustion, there will be emission of carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Routes of entry: This product may be absorbed through the respiratory, digestive and cutaneous routes.

Acute toxicity (calculated GHS):

Product	DL ₅₀ oral, mg/kg	DL ₅₀ cutaneous, mg/kg	CL ₅₀ , mg/L
Texnov Met-HD	> 3180 (rat)	> 25000 (lapin)	Not available.

Skin irritation: This product is irritating for skin.

Eye irritation: This product is irritating for the eye.

Respiratory or skin sensitization: Respiratory track irritant.

Specific target organ toxicity: The xylene contain in this product is toxic for the organs under repeated exposure.

Carcinogenicity:

Ingredient	CIRC	ACGIH	NTP
Xylene	Group 3	Group A4	-

CIRC: International Center for Research on Cancer. Group 3: Cannot be classified as carcinogenic to humans. Group A4 : Non-classifiable substance as a carcinogen to humans. NTP: National Toxicology Program.

Reproductive toxicity: Suspected of damaging fertility. For xylene: the animal studies suggest that there is possibly an augmentation of genital malformations, but the relation between the exposition and the effect is not satisfying because of the experimental limitations. There is an embryo toxic and fetal toxic effect on animals. Xylene can pass through the placenta membrane.

Germ cell mutagenicity: Adverse symptoms may include the following: reduced fetal weight, increased fetal mortality, skeletal malformations.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicology: Not available.





Bioaccumulative potential: Not available.

Volatile organic compounds (V.O.C.): ≤ 400g/L

SECTION 13 - DISPOSAL CONSIDERATIONS

It is important to minimize the generation of waste. Disposal of this product must be in accordance with the provisions of environmental protection and waste disposal legislation at all times and must comply with the requirements of local authorities. Eliminate surplus and non-recyclable products through an authorized specialty company. Do not discharge untreated waste into sewers. Do not dispose of this product and its container except with the usual precautions. Empty containers or liners may retain product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 - TRANSPORT INFORMATION

	DOT	TMD	IMDG	IATA
# UN	1139	1139	1139	1139
UN proper shipping name	Coating solution	Coating solution	Coating solution	Coating solution
Transport hazard class	3 	3 	3 	3 
Packing group	II	II	II	II
Environmental hazard	No	No	No	No
Additional information	Reportable quantity 378.33 kg / 402.48 L Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.	Remarks Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.		

SECTION 15 - REGULATORY INFORMATION

WHMIS Classification 2015: Flammable liquids - Category 2, Skin Irritation - Category 2, Eye irritation - Category 2A, Reproductive toxicity (fertility) - category 2, Specific target organ toxicity single exposure (respiratory tract irritation and narcotic effects) - Category 3, Specific target organ toxicity - repeated exposure - Category 2, Aspiration hazard - Category 1. The product classification and SDS have been developed in accordance with the HPR.

SECTION 16 - OTHER INFORMATION

SDS prepared by: Texnov inc.

Emergency telephone number: 1-877-316-6388

Revision Date: 2023-07-01

Warning: The information and recommendations contained in this document have been written to the best of knowledge and technical data collected by Texnov Inc. at the time of the revision. This document is intended to inform users of the product about the precautionary measures when using the product. No warranty is given on the properties mentioned on the products. No liability will be assumed for cases of misuse of the product or failure to observe the safety instructions contained in this document.