

Revision Date: 20-Oct-2021 Revision Number: 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGAVAR WATER WHITE CONVERSION VARNISH DULL

RUBBED

Product Code 1M-4302FR

Alternate Product Code HL0800
Product Class VARNISH
Color Clear

Recommended use Clear coating

Restrictions on use No information available

Manufactured For

Benjamin Moore & Co., Limited

8775 Keele Street Concord ON L4K 2N1 Phone: 1-800-361-5898 www.lenmar-coatings.ca

Manufacturer

Benjamin Moore & Co. 101 Paragon Drive

Montvale, NJ 07645 Phone: 1-866-708-9180 www.lenmar-coatings.com

Emergency Telephone

CHEMTREC: +1 703-741-5970 / 1-800-424-9300

+1 703-527-3887 (outside US & Canada)

CANUTEC: 613-996-6666 (Transport Emergency Only)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1B
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Flammable liquids	Category 2

Label elements

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Danger

Hazard statements

Causes skin irritation

Causes serious eve damage

May cause an allergic skin reaction

May cause cancer

Suspected of damaging fertility or the unborn child

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

Highly flammable liquid and vapor



Appearance liquid Odor solvent

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Keep cool

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

Skin

If skin irritation or rash occurs: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Fire

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

No information available

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%	Hazardous Material	Date HMIRA filed and
				date exemption granted
			registry number	(if applicable)
			(HMIRA registry #)	
n-Butyl acetate	123-86-4	10 - 30%	-	-
Isobutyl alcohol	78-83-1	5 - 10%	-	-
Propylene glycol monomethyl	108-65-6	5 - 10%	-	-
ether acetate				
Ethanol	64-17-5	5 - 10%	-	-
Acetone	67-64-1	3 - 7%	-	-
VM&P naphtha	64742-89-8	1 - 5%	-	-
Toluene	108-88-3	1 - 5%	-	-
Isopropyl alcohol	67-63-0	1 - 5%	-	-
Silica amorphous	7631-86-9	1 - 5%	-	-
Methyl ethyl ketoxime	96-29-7	0.1 - 0.25%	-	-
Octane	111-65-9	0.1 - 0.25%	-	-
Heptane	142-82-5	0.1 - 0.25%	-	-

Confidential Business Information note

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General Advice If symptoms persist, call a physician. Show this safety data

sheet to the doctor in attendance.

Eye Contact Immediate medical attention is required. Immediately flush

with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15

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minutes.

Skin Contact Wash off immediately with soap and plenty of water while

removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Wash clothing before

reuse. Destroy contaminated articles such as shoes.

Inhalation Move to fresh air. If symptoms persist, call a physician.

If not breathing, give artificial respiration. Call a physician

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immediately.

Ingestion Clean mouth with water and afterwards drink plenty of

water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Consult a physician.

Protection Of First-Aiders Use personal protective equipment.

Most Important Symptoms/Effects

May cause allergic skin reaction.

Notes To Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties Vapors may travel considerable distance to a source of

ignition and flash back. Vapors may cause flash fire.

Suitable Extinguishing Media Foam, dry powder or water. Use extinguishing measures

that are appropriate to local circumstances and the

surrounding environment.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear.

Hazardous combustion products

Burning may result in carbon dioxide, carbon monoxide

and other combustion products of varying composition

which may be toxic and/or irritating.

Specific Hazards Arising From The Chemical Flammable. Flash back possible over considerable

distance. Keep product and empty container away from heat and sources of ignition. Closed containers may rupture if exposed to fire or extreme heat. Thermal decomposition can lead to release of irritating gases and

vapors.

Sensitivity to mechanical impact No

Sensitivity to static discharge Yes

Flash Point Data

Flash point (°F) 39
Flash Point (°C) 4
Method PMCC

Flammability Limits In Air

Lower flammability limit:Not availableUpper flammability limit:Not available

NFPA Health: 2 Flammability: 3 Instability: 1 Special: Not Applicable

NFPA Legend

- 0 Not Hazardous
- 1 Slightly
- 2 Moderate
- 3 High
- 4 Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Remove all sources of ignition. Take precautions to

prevent flashback. Ground and bond all containers and handling equipment. Take precautionary measures against static discharges. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal

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protective equipment.

Other Information Prevent further leakage or spillage if safe to do so. Do not

allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be

contained.

Environmental precautionsSee Section 12 for additional Ecological Information.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material. Use a

non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. Clean

contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in ventilated areas. Prevent vapor build-up by providing adequate ventilation during and after use.

Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Ignition and/or flash back may occur.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children.

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Incompatible Materials

Incompatible with strong acids and bases and strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical name	ACGIH TLV	Alberta	British Columbia	Ontario	Quebec
n-Butyl acetate	STEL: 150 ppm TWA: 50 ppm	150 ppm - TWA 713 mg/m³ - TWA 200 ppm - STEL 950 mg/m³ - STEL	20 ppm - TWA	150 ppm - TWA 200 ppm - STEL	150 ppm - TWAEV 713 mg/m³ - TWAEV 200 ppm - STEV 950 mg/m³ - STEV
Isobutyl alcohol	TWA: 50 ppm	50 ppm - TWA 152 mg/m ³ - TWA	50 ppm - TWA	50 ppm - TWA	50 ppm - TWAEV 152 mg/m³ - TWAEV
Propylene glycol monomethyl ether acetate	N/E	N/E	50 ppm - TWA 75 ppm - STEL	50 ppm - TWA 270 mg/m³ - TWA	N/E
Ethanol	STEL: 1000 ppm	1000 ppm - TWA 1880 mg/m³ - TWA	1000 ppm - STEL	1000 ppm - STEL	1000 ppm - TWAEV 1880 mg/m³ - TWAEV
Acetone	STEL: 500 ppm TWA: 250 ppm	500 ppm - TWA 1200 mg/m³ - TWA 750 ppm - STEL 1800 mg/m³ - STEL	250 ppm - TWA 500 ppm - STEL	250 ppm - TWA 500 ppm - STEL	500 ppm - TWAEV 1190 mg/m³ - TWAEV 1000 ppm - STEV 2380 mg/m³ - STEV
Toluene	TWA: 20 ppm	50 ppm - TWA 188 mg/m³ - TWA Substance may be readily absorbed through intact skin	20 ppm - TWA Adverse reproductive effect	20 ppm - TWA	50 ppm - TWAEV 188 mg/m³ - TWAEV Skin absorption can contribute to overall exposure.
Isopropyl alcohol	STEL: 400 ppm TWA: 200 ppm	200 ppm - TWA 492 mg/m³ - TWA 400 ppm - STEL 984 mg/m³ - STEL	200 ppm - TWA 400 ppm - STEL	200 ppm - TWA 400 ppm - STEL	400 ppm - TWAEV 985 mg/m³ - TWAEV 500 ppm - STEV 1230 mg/m³ - STEV
Octane	TWA: 300 ppm	300 ppm - TWA 1400 mg/m³ - TWA	300 ppm - TWA	300 ppm - TWA	300 ppm - TWAEV 1400 mg/m³ - TWAEV 375 ppm - STEV 1750 mg/m³ - STEV
Heptane	STEL: 500 ppm TWA: 400 ppm	400 ppm - TWA 1640 mg/m³ - TWA 500 ppm - STEL 2050 mg/m³ - STEL	400 ppm - TWA 500 ppm - STEL	400 ppm - TWA 500 ppm - STEL	400 ppm - TWAEV 1640 mg/m³ - TWAEV 500 ppm - STEV 2050 mg/m³ - STEV

<u>Legend</u>

ACGIH - American Conference of Governmental Industrial Hygienists

Alberta - Alberta Occupational Exposure Limits

British Columbia - British Columbia Occupational Exposure Limits

Ontario - Ontario Occupational Exposure Limits Quebec - Quebec Occupational Exposure Limits

N/E - Not established

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment
Eye/Face Protection

Safety glasses with side-shields. If splashes are likely to occur, wear: Tightly fitting safety goggles

Skin Protection

Respiratory Protection

Protective gloves and impervious clothing.

Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic

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vapors.

Hygiene Measures

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash

thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance liquid
Odor solvent

Odor Threshold No information available

 Density (lbs/gal)
 7.7 - 8.1

 Specific Gravity
 0.93 - 0.97

pH No information available Viscosity (cps) No information available

Solubility(ies)
Water solubility
Evaporation Rate
Vapor pressure
Vapor density
No information available

 Vapor density
 No informat

 Wt. % Solids
 35 - 45

 Vol. % Solids
 25 - 35

 Wt. % Volatiles
 55 - 65

 Vol. % Volatiles
 65 - 75

VOC Regulatory Limit (g/L)< 680</th>Boiling Point (°F)136Boiling Point (°C)58

Freezing point (°F)

No information available

No information available

Flash point (°F) 39
Flash Point (°C) 4
Method PMCC

Flammability (solid, gas)
Upper flammability limit:
Not applicable
Not applicable
Not applicable

Autoignition Temperature (°F)No information availableAutoignition Temperature (°C)No information availableDecomposition Temperature (°F)No information availableDecomposition Temperature (°C)No information availablePartition coefficientNo information available

10. STABILITY AND REACTIVITY

Reactivity Not Applicable

Chemical Stability Stable under normal conditions. Hazardous polymerisation

does not occur.

Conditions to avoid Keep away from open flames, hot surfaces, static

electricity and sources of ignition. Sparks. Elevated

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temperature.

Incompatible Materials Incompatible with strong acids and bases and strong

oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating

gases and vapors.

Possibility of hazardous reactions None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information Repeated or prolonged exposure to organic solvents may

lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and

inhaling vapors may be harmful or fatal.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact Severely irritating to eyes. May cause burns. Risk of

serious damage to eyes.

Skin contact May cause skin irritation and/or dermatitis. Prolonged skin

contact may defat the skin and produce dermatitis.

Inhalation Harmful by inhalation. High vapor / aerosol concentrations

are irritating to the eyes, nose, throat and lungs and may

cause headaches, dizziness, drowsiness,

unconsciousness, and other central nervous system

effects.

Ingestion Harmful if swallowed. Ingestion may cause irritation to

mucous membranes. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury,

possibly progressing to death.

Sensitization May cause an allergic skin reaction.

Neurological Effects
No information available.

Mutagenic Effects
No information available.

Reproductive Effects Possible risk of impaired fertility. Possible risk of harm to

the unborn child.

Developmental Effects Target organ effects

STOT - single exposure

STOT - repeated exposure

Other adverse effects Aspiration Hazard No information available.

liver, Respiratory system, Eyes, Skin, Central nervous

system, blood, Reproductive System.

May cause disorder and damage to the, Respiratory

system, Central nervous system.

Causes damage to organs through prolonged or repeated exposure if inhaled, May cause disorder and damage to the, liver, kidney, spleen, blood, Central nervous system.

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No information available.

May be harmful if swallowed and enters airways. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 7554 mg/kg
ATEmix (dermal) 9914 mg/kg
ATEmix (inhalation-dust/mist) 1293.3 mg/L
ATEmix (inhalation-vapor) 85.6 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
n-Butyl acetate 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	-
Isobutyl alcohol 78-83-1	= 2460 mg/kg (Rat)	= 3400 mg/kg (Rabbit)	> 6.5 mg/L (Rat)4 h
Propylene glycol monomethyl ether acetate 108-65-6	= 8532 mg/kg(Rat)	> 5 g/kg(Rabbit)	-
Ethanol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h
Acetone 67-64-1	= 5800 mg/kg (Rat)	> 15700 mg/kg(Rabbit)	= 50100 mg/m³ (Rat) 8 h
VM&P naphtha 64742-89-8	-	= 3000 mg/kg (Rabbit)	-
Toluene 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg(Rabbit)	-
Isopropyl alcohol 67-63-0	= 1870 mg/kg(Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m³ (Rat) 4 h
Silica amorphous 7631-86-9	= 7900 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.2 mg/L (Rat)1 h
Methyl ethyl ketoxime 96-29-7	= 930 mg/kg(Rat)	1000 - 1800 mg/kg (Rabbit)	> 4.83 mg/L (Rat)4 h
Octane 111-65-9	-	-	> 23.36 mg/L (Rat) 4 h = 118 g/m³ (Rat) 4 h = 25260 ppm (Rat) 4 h
Heptane 142-82-5	-	= 3000 mg/kg (Rabbit)	= 103 g/m³ (Rat) 4 h

Chronic Toxicity

Carcinogenicity

Limited evidence of a carcinogenic effect.

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12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

The environmental impact of this product has not been fully investigated.

Product Information

Acute Toxicity to Fish

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

Persistence / Degradability

No information available.

Bioaccumulation

There is no data for this product.

Mobility in Environmental Media

No information available.

Ozone

No information available

Component Information

Acute Toxicity to Fish

n-Butyl acetate

LC50: 18 mg/L (Fathead Minnow - 96 hr.)

Acetone

LC50: 8300 (Bluegill - 96 hr.) mg/L

Methyl ethyl ketoxime

LC50: 48 mg/L (Bluegill sunfish - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

n-Butyl acetate

EC50: 72.8 mg/L (Daphnia magna - 48 hr.)

Acetone

EC50: 12600 mg/L (Daphnia magna - 48 hr.)

Methyl ethyl ketoxime

EC50: 750 mg/L (Daphnia magna - 48 hr.)

Acute Toxicity to Aquatic Plants

n-Butyl acetate

EC50: 674.7 mg/L (Green algae (Scenedesmus subspicatus), 72 hrs.)

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, provincial,

and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal

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options.

Empty Container Warning Emptied containers may retain product residue. Follow

label warnings even after container is emptied. Residual

vapors may explode on ignition.

14. TRANSPORT INFORMATION

TDG

Proper Shipping Name PAINT
Hazard class 3
UN-No. UN1263

Packing Group

Description UN1263, PAINT, 3, II

ICAO / IATA Contact the preparer for further information.

IMDG / IMOContact the preparer for further information.

15. REGULATORY INFORMATION

International Inventories

TSCA: United StatesYes - All components are listed or exempt.
Yes - All components are listed or exempt.

National Pollutant Release Inventory (NPRI)

NPRI Parts 1-4

This product contains the following Parts 1-4 NPRI chemicals:

Chemical nameCAS No.Weight-%NPRI Parts 1- 4Isobutyl alcohol78-83-15 - 10%Listed

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Toluene	108-88-3	1 - 5%	Listed
Isopropyl alcohol	67-63-0	1 - 5%	Listed

NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

Chemical name	CAS No.	Weight-%	NPRI Part 5
n-Butyl acetate	123-86-4	10 - 30%	Listed
Propylene glycol monomethyl ether	108-65-6	5 - 10%	Listed
acetate			
Ethanol	64-17-5	5 - 10%	Listed
VM&P naphtha	64742-89-8	1 - 5%	Listed
Toluene	108-88-3	1 - 5%	Listed
Isopropyl alcohol	67-63-0	1 - 5%	Listed

WHMIS Regulatory Status

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

16. OTHER INFORMATION

HMIS - Health: 2* Flammability: 3 Reactivity: 1 PPE: -

HMIS Legend

- 0 Minimal Hazard
- 1 Slight Hazard
- 2 Moderate Hazard
- 3 Serious Hazard
- 4 Severe Hazard
- * Chronic Hazard
- X Consult your supervisor or S.O.P. for "Special" handling instructions.

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada at

http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php.

Prepared By Product Stewardship Department

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645

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800-225-5554

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Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

End of Safety Data Sheet