

SAFETY DATA SHEET

Issue Date 07-Apr-2015 Revision Date 07-Apr-2015 Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Code F2720

Recommended use of the chemical and restrictions on use

Recommended Use Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Supplier Address

Watson Standard Company 616 Hite Road Harwick, PA 15049 724-275-1000

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Chronic aquatic toxicity	Category 2

Hazard symbol(s) /Pictogram(s)

Emergency Overview

Danger

Hazard statements

H315 - Causes skin irritation

H318 - Causes serious eye damage

H317 - May cause an allergic skin reaction

H350 - May cause cancer

H411 - Toxic to aquatic life with long lasting effects

H226 - Flammable liquid and vapor



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

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Avoid release to the environment

Keep away from heat and sparks - 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

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Specific treatment (see .? on this label)

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

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

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

Call a POISON CENTER or doctor/physician if you feel unwell

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

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

Collect spillage

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
reaction product: bisphenol-A-(epichlorhydrin)	Proprietary	10 - 30
Trade Secret Resin	Proprietary	10 - 30
Trade Secret Additive	Proprietary	10 - 30
Xylene	1330-20-7	10 - 30
2-Butoxy Ethanol	111-76-2	5 - 10
n-butyl alcohol	71-36-3	5 - 10
Diacetone alcohol	123-42-2	1 - 5
Ethylbenzene	100-41-4	1 - 5
Titanium Dioxide	13463-67-7	1 - 5
1-Propanol, 2-methyl-	78-83-1	1 - 5
quartz	14808-60-7	0.1 - 1

4. FIRST AID MEASURES

First aid measures

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Call a physician or poison control center

immediately.

Skin ContactWash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. If symptoms persist, call a physician.

Inhalation Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a

physician.

Ingestion If swallowed, call a poison control center or physician immediately. Never give anything by

mouth to an unconscious person. Do not induce vomiting without medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide (CO2). Extinguishing powder. Dry chemical. Alcohol resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact No. Sensitivity to Static Discharge Yes.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. All equipment used when handling the product must be grounded. Use personal

protection recommended in Section 8. Wash thoroughly after handling.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

Clean contaminated surface thoroughly. Prevent product from entering drains. Take precautionary measures against static discharges. Sweep up and shovel into suitable

containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray.

Wash contaminated clothing before reuse. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Never pierce, drill, grind, cut, saw or

weld any empty container.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidizing agents. Strong acids. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Exposure Limits
Trade Secret Additive	-	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust (vacated) TWA: 5 mg/m³ respirable fraction		Mexico: TWA 10 mg/m³ Mexico: STEL 20 mg/m³
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m³	-	Mexico: TWA 100 ppm Mexico: TWA 435 mg/m³ Mexico: STEL 150 ppm Mexico: STEL 655 mg/m³
2-Butoxy Ethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m³ (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m³	Mexico: TWA 26 ppm Mexico: TWA 120 mg/m³ Mexico: STEL 75 ppm Mexico: STEL 360 mg/m³
n-butyl alcohol 71-36-3	TWA: 20 ppm	TWA: 100 ppm TWA: 300 mg/m³ (vacated) S* (vacated) Ceiling: 50 ppm (vacated) Ceiling: 150 mg/m³	IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 mg/m³	Mexico: Ceiling 50 ppm Mexico: Ceiling 150 mg/m ³
Diacetone alcohol 123-42-2	TWA: 50 ppm	TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 50 ppm (vacated) TWA: 240 mg/m³	IDLH: 1800 ppm TWA: 50 ppm TWA: 240 mg/m³	Mexico: TWA 50 ppm Mexico: TWA 240 mg/m³ Mexico: STEL 75 ppm Mexico: STEL 360 mg/m³
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m³ (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m³	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m³ STEL: 125 ppm STEL: 545 mg/m³	Mexico: TWA 100 ppm Mexico: TWA 435 mg/m³ Mexico: STEL 125 ppm Mexico: STEL 545 mg/m³
Titanium Dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m ³	Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³
1-Propanol, 2-methyl- 78-83-1	TWA: 50 ppm	TWA: 100 ppm TWA: 300 mg/m³ (vacated) TWA: 50 ppm (vacated) TWA: 150 mg/m³	IDLH: 1600 ppm TWA: 50 ppm TWA: 150 mg/m³	Mexico: TWA 50 ppm Mexico: TWA 150 mg/m³ Mexico: STEL 75 ppm Mexico: STEL 225 mg/m³
quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction	(vacated) TWA: 0.1 mg/m³ respirable dust : (30)/(%SiO2 + 2) mg/m³ TWA total dust : (250)/(%SiO2 + 5) mppcf TWA respirable fraction : (10)/(%SiO2 + 2) mg/m³ TWA respirable fraction	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust	Mexico: TWA 0.1 mg/m³

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles. Face protection shield.

Skin and body protectionWear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls,

as appropriate, to prevent skin contact.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

Pensky-Martens Closed Cup (PMCC)

provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state liquid
Odor Aromatic
Color opaque, blue

Property Values Remarks • Method

pH No information available
Melting point/freezing point No information available
Boiling point / boiling range No information available

Flash Point 26.6 °C / 80 °F
Evaporation rate No information available
Flammability (solid, gas) No information available

Flammability Limit in Air

Upper flammability limit:No information availableLower flammability limit:No information availableVapor pressureNo information availableVapor densityNo information available

Specific Gravity 1.18

Water solubility
Solubility in other solvents
Partition coefficient
Autoignition temperature
Insoluble in water
No information available
No information available

Autoignition temperature

Decomposition temperature

Viscosity

No information available
No information available
No information available

Explosive propertiesNo information available **Oxidizing properties**No information available

Other Information

Softening point
Molecular weight
VOC Content (%)
Density
Bulk density
No information available
No information available
No information available
9.85 lb/gal +/- 0.2
No information available

10. STABILITY AND REACTIVITY

Reactivity

Not Applicable

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition Products

None under normal use conditions. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon dioxide (CO2). Hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information No data available

Inhalation No data available.

Eye contact No data available.

Skin Contact No data available.

Ingestion No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
reaction product: bisphenol-A-(epichlorhydrin)	= 11400 mg/kg (Rat)	-	-
Xylene 1330-20-7	= 4300 mg/kg (Rat)	> 1700 mg/kg (Rabbit)	= 47635 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h
2-Butoxy Ethanol 111-76-2	= 470 mg/kg (Rat)	= 220 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
n-butyl alcohol 71-36-3	= 790 mg/kg (Rat)	= 3400 mg/kg (Rabbit)	= 8000 ppm (Rat) 4 h
Diacetone alcohol 123-42-2	= 4 g/kg (Rat)	= 13500 mg/kg (Rabbit)	-
Ethylbenzene 100-41-4	= 3500 mg/kg (Rat)	= 15354 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h
Titanium Dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
1-Propanol, 2-methyl- 78-83-1	= 2460 mg/kg (Rat)	= 3400 mg/kg (Rabbit)	> 6.5 mg/L (Rat)4 h
quartz 14808-60-7	= 500 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms No information available.

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

SensitizationNo information available.Germ cell mutagenicityNo information available.

Carcinogenicity

This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B). This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid.

Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
Xylene 1330-20-7	-	Group 3	-	-	-
2-Butoxy Ethanol 111-76-2	А3	Group 3	-	-	-
Ethylbenzene 100-41-4	А3	Group 2B	-	Х	-
Titanium Dioxide 13463-67-7	-	Group 2B	-	Х	-
quartz 14808-60-7	A2	Group 1	Known	Х	-

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Not classifiable as a human carcinogen

Group 2B - Possibly Carcinogenic to Humans

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Aspiration hazard
No information available.
No information available.
No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity

18.49922619% of the mixture consists of ingredient(s) of unknown toxicity

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

12. ECOLOGICAL INFORMATION

Ecotoxicity

22.20868% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Xylene 1330-20-7	-	13.4: 96 h Pimephales promelas mg/L LC50 flow-through 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 19: 96 h Lepomis macrochirus mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50
2-Butoxy Ethanol 111-76-2	-	LC50 static 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50

n-butyl alcohol 71-36-3	500: 96 h Desmodesmus subspicatus mg/L EC50 500: 72 h Desmodesmus subspicatus mg/L EC50	1730 - 1910: 96 h Pimephales promelas mg/L LC50 static 1740: 96 h Pimephales promelas mg/L LC50 flow-through 100000 - 500000: 96 h Lepomis macrochirus μg/L LC50 static 1910000: 96 h Pimephales promelas μg/L LC50 static	magna mg/L EC50 Static
Diacetone alcohol 123-42-2	-	420: 96 h Lepomis macrochirus mg/L LC50 static 420: 96 h Lepomis macrochirus mg/L LC50	8750: 24 h Daphnia magna mg/L EC50
Ethylbenzene 100-41-4	4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 32: 96 h Lepomis macrochirus mg/L LC50 static 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static	1.8 - 2.4: 48 h Daphnia magna mg/L EC50
1-Propanol, 2-methyl- 78-83-1	230: 48 h Desmodesmus subspicatus mg/L EC50	375: 96 h Pimephales promelas mg/L LC50 static 1370 - 1670: 96 h Pimephales promelas mg/L LC50 flow-through 1120 - 1520: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1480 - 1730: 96 h Lepomis macrochirus mg/L LC50 flow-through	1070 - 1933: 48 h Daphnia magna mg/L EC50 Static 1300: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Partition coefficient
Xylene 1330-20-7	2.77 - 3.15
2-Butoxy Ethanol 111-76-2	0.81
n-butyl alcohol 71-36-3	0.785
Diacetone alcohol 123-42-2	1.03
Ethylbenzene 100-41-4	3.118
1-Propanol, 2-methyl- 78-83-1	0.79

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Residual vapors may explode on ignition. Never pierce, drill, grind, cut, saw or weld any empty container. Disposal should be in accordance with applicable regional, national and local laws and regulations. Since empty containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT

UN/ID No. UN1263 Proper shipping name Paint

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Hazard Class 3
Packing Group III
Marine pollutant Yes.

TDG

UN/ID No. UN1263
Proper shipping name Paint
Hazard Class 3
Packing Group III
Marine pollutant yes.

MEX

UN/ID No. UN1263
Proper shipping name Paint
Hazard Class 3
Packing Group III

IATA

UN/ID No. UN1263
Proper shipping name Paint
Hazard Class 3
Packing Group III

IMDG

UN/ID No. UN1263

Proper shipping name Paint (reaction product: bisphenol-A-(epichlorhydrin))

Hazard Class 3
Packing Group III
Marine pollutant yes

15. REGULATORY INFORMATION

International Inventories

Complies **TSCA** Not Determined **DSL/NDSL EINECS/ELINCS** Not Determined **ENCS** Not Determined **IECSC** Not Determined Not Determined **KECL PICCS** Not Determined **AICS** Not Determined

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372

Chemical Name	SARA 313 - Threshold Values %
Xylene - 1330-20-7	1.0
2-Butoxy Ethanol - 111-76-2	1.0
n-butyl alcohol - 71-36-3	1.0
Ethylbenzene - 100-41-4	0.1

SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic Health Hazard Yes
Fire hazard Yes
Sudden release of pressure hazard No
Reactive Hazard No

US State Regulations

This product may contain substances regulated by state right-to-know regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Pennsylvania - Special Hazardous Substances	Pennsylvania - Environmental Hazard List
Calcium Carbonate 1317-65-3	Х	Х	Х	-	-
Xylene 1330-20-7	Χ	Х	Х	-	Х
2-Butoxy Ethanol 111-76-2	Χ	Х	Х	-	-
n-butyl alcohol 71-36-3	Χ	Х	Х	-	-
Diacetone alcohol 123-42-2	Х	Х	Х	-	-
Ethylbenzene 100-41-4	Х	Х	Х	-	Х
Titanium Dioxide 13463-67-7	Χ	Х	Х	-	-
1-Propanol, 2-methyl- 78-83-1	Χ	Х	Х	-	Х
Copper(III) phthalocyanine 147-14-8	Χ	-	Х	-	-
quartz 14808-60-7	Χ	Х	Х	-	-
Iron oxide (Fe2O3) 1309-37-1	Х	Х	Х	-	-
Cumene 98-82-8	Х	Х	Х	-	Х
Diethylbenzene 25340-17-4	Х	-	-	-	-
4-Heptanone, 2,6-dimethyl- 108-83-8	Х	Х	Х	-	-

16. OTHER INFORMATION

 Issue Date
 07-Apr-2015

 Revision Date
 07-Apr-2015

Revision Note No information available

Disclaimer

The information contained herein is derived from data provided by suppliers and other sources believed to be reliable, and is furnished without warranty of any kind. The information relating to the product is for guidance purposes only, is based only on downstream uses known to Watson Standard, and may not be valid for the product used in combination with any other materials. Users of this product must make determinations of suitability and completeness of information from this and all other sources to ensure proper use and disposal of this product, safety and health of employees, customers, and the protection of the environment. Watson Standard will not be liable for any special, incidental, or consequential damages associated with the use or handling of the product.

End of Safety Data Sheet