




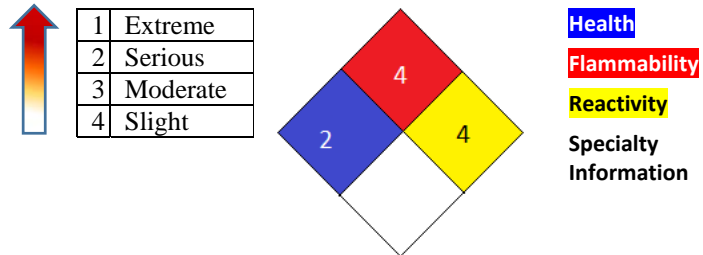

SECTION 1: IDENTIFICATION

PRODUCT NAME WATERSHIELD III™ “B” Component
 CAS NUMBER Not available
 PRODUCT USE Polyurea Coating
 MANUFACTURER Specialty Products, Inc. (SPI)
 ADDRESS 2410 104th Street Ct S Suite D, Lakewood, WA 98499
 PHONE 253-588-7101 (800) 627-0773
 FAX 253-588-7196

EMERGENCY CONTACT: FOR SPILLS, LEAKS, FIRE or EXPOSURE CALL **CHEMTREC**
 TOLL FREE **800-424-9300**
 INTERNATIONAL +1-703-527-3887
 FAX 913-321-1490

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

GHS Pictogram	NEW GHS SCALE
	
DANGER	<p align="center">Personal Protective Equipment</p> 

EMERGENCY OVERVIEW:

HAZARD STATEMENTS

H315 Causes skin irritation
 H302 Harmful if swallowed
 H332 Harmful if inhaled
 H320 Causes eye irritation

PRECAUTIONARY STATEMENTS

P260 Do not breathe dust/fume/gas/mist vapors/spray.
 P264 Wash hands thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.

APPEARANCE, COLOR, ODOR:

Liquid, clear, amine odor.

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

READ THE ENTIRE SDS FOR MORE THOROUGH EVALUATION OF THE HAZARDS



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	% WEIGHT
Polyoxypropylenediamine	9046-10-0	50-90
Diethylmethylbenzenediamine	68479-98-1	20-40
Polyetheramine	64852-22-8	10-30

SECTION 4: FIRST AID MEASURES

EYE: **H320** Causes eye irritation. Wear eye protection/face protection. Do not breathe dust/fumes/gas/mist/vapors/spray. Wash hands thoroughly after handling. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical attention/advice.

SKIN: **H315** Causes skin irritation. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. **IF ON SKIN (or hair):** Remove/take off immediately all contaminated clothing. Rinse SKIN with water/shower. If irritation persists, seek medical attention/advice.

INHALATION: **H332** Harmful if inhaled. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist vapors/spray. **IF INHALED:** Remove victim to fresh air and keep at rest in position comfortable for breathing. **IF INHALED:** Call a POISON CENTER or doctor/physician if you feel unwell. If any symptoms persist, or if any measures do not relieve the condition, seek medical help.

INGESTION: **H302** Harmful if swallowed. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Get medical attention immediately.

NOTES TO PHYSICIAN: Symptomatic and supportive therapy as needed. Following severe exposure, medical follow-up should be monitored for 48 hours.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: >364°F (185°C)

HAZARDS WHEN ON FIRE OR NEAR FLAME: May produce toxic fumes of Carbon Dioxide, Carbon Monoxide, and/or Nitrogen Oxides when near heat source/flame. When in a closed container, pressure will increase which may lead to a rupture of the container.

EXTINGUISHING MEDIA:
Suitable: Dry chemical, carbon dioxide, water spray or regular foam. For larger fires, use water spray, fog, or regular foam. Use an extinguishing agent suitable for the surrounding fire.

Not Suitable: None known.



SAFETY DATA SHEET
WATERSHIELD III™ “B” COMPONENT
Revised Date: 4/1/2014
Draft: 2
SDS-026

SPECIAL EXPOSURE HAZARDS: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. If in a fire or heated, a pressure increase will occur and the container may burst.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. PVC boots, gloves, safety helmet, and protective clothing should be worn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: For major spills call **CHEMTREC**: Toll free 1-800-424-9300 for international call 1-703-527-3887.

PERSONAL PRECAUTIONS: Wear appropriate personal protective equipment recommended in SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION of this SDS. Immediately contact emergency personnel. Evacuate the area. Keep upwind avoiding inhalation of vapors. Clean-up should only be performed by trained personnel. People dealing with major spillages should wear full protective clothing including respiratory protection.

ENVIRONMENTAL PRECAUTIONS: This material may contaminate the environment without proper control and response to spills. Ensure spilled material does not come in contact with soil, waterway, drains, sewers, or other runoff that would further disperse the material. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air). Sources of ignition should be kept clear.

METHODS FOR CONTAINMENT: Use diking or capping to control migration. Contain and absorb large spillages with a non-flammable absorbent carrier (such as vermiculite, earth, or sand). DO NOT USE combustible materials such as sawdust). Shovel into open-top drums or plastic bags for further decontamination, if necessary. Wash the spillages with decontaminant. Remove and properly dispose of residues. Dispose of via a licensed waste disposal contractor (See SECTION 13: DISPOSAL CONSIDERATIONS) Notify applicable government authorities if release is reportable.

METHODS FOR CLEANING UP: Only proceed with clean up by taking the appropriate personal protection measures required and ensure surrounding area does not contain further hazards that could worsen the spill, cause migration, or cause further harm (i.e. eliminate any ignition sources). Move any non-contaminated, non-leaking containers from the spill zone if it can be done safely. Dike, dam, or further restrict and stop active leaks without posing further damage or harm to individuals, the environment, and/or structures. Contain and collect spillage. See SECTION 13: DISPOSAL CONSIDERATIONS for disposal information and SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION for recommended (PPE)



SAFETY DATA SHEET
WATERSHIELD III™ “B” COMPONENT
Revised Date: 4/1/2014
Draft: 2
SDS-026

Personal Protective Equipment. Obey all local, state, and federal regulations during clean up.

SECTION 7: HANDLING & STORAGE

GENERAL:

Ideal storage temperature is 60°F – 90°F (15°C - 32°C). Handling and storage shall be in accordance with local, state/provincial, or federal regulations.

HANDLING:

Before opening this package, read and follow warning labels on all components. Avoid contact with the product or reaction mixture. Put on appropriate personal protective equipment. Use only with adequate ventilation to ensure that the occupational exposure limit is not exceeded, use respirator when ventilation is inadequate. Avoid breathing aerosols, mists, and vapors. (See SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION for details). Do not ingest. Keep stocks of decontaminate readily available. Eating, drinking and smoking shall be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems, asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes, on skin, or clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

STORAGE:

Keep containers properly sealed and when stored indoors, in a dry and well-ventilated area. Keep contents away from moisture. Due to reaction with water, producing CO₂ gas, a hazardous build-up of pressure could result if contaminated containers are resealed. DO NOT reseal contaminated containers. Uncontaminated containers, free of moisture, may be resealed and stored after purging the container with nitrogen gas. DO NOT store in containers made of copper, copper alloys, or galvanized surfaces.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSRE LIMITS:

As of the latest revision of this document, no known exposure limits exist for this product. The absence of current exposure data does not relieve an employer, user, or other to determine the specific hazards and appropriate exposure protection measures in the application and use of this product. Personal, workplace, atmospheric, and/or biological monitoring may be required to determine the effectiveness of engineering, administrative, and/or other best practice control measures. These monitoring results determine the need for and type of respiratory protective equipment, if any. Refer to the appropriate local, state, and federal regulations and statutes for the most current information and for



SAFETY DATA SHEET

WATERSHIELD III™ “B” COMPONENT

Revised Date: 4/1/2014

Draft: 2

SDS-026

guidance in the determination of hazardous conditions and the correlating personal protective equipment.

ENGINEERING CONTROLS:

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation, and other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

HYGIENE MEASURES:

Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate engineering, administrative, and other best practice decontamination control measures must be used to isolate contaminants on clothing and to prevent unintended migration of contaminants. Handle clothing and other potentially contaminated material appropriately and in compliance with local, state, and federal regulations in the process of removing, washing/cleaning and reuse of these potentially contaminated materials. Ensure compliant use and location of eyewash station and safety showers.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYE PROTECTION:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mist or dusts. If contact is possible, the following protection shall be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required.

SKIN PROTECTION:

Personal protective equipment for the body should be selected based on the task being performed; the risks involved, and should be approved by an industrial hygiene specialist before handling this product.

HANDS PROTECTION:

Chemical resistant gloves complying with applicable health and safety standards shall be worn when handling this product. Protective gloves are those made from butyl rubber, nitrile rubber or polyvinyl alcohol. Appropriate hazard assessments in conjunction with an evaluation of the protection factors of chemical resistant gloves shall be performed to ensure the protective properties remain intact. It is noted that the time to breakdown of protection factors for different glove manufacturers varies. In the case of mixtures, the protection factors of chemical resistant gloves may be impacted and deteriorate at unpredictable rates without understanding the impact of the substance and the specific protection factors of the chemical resistant gloves.

RESPIRATORY PROTECTION:

Ensure adequate ventilation. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator. Ensure the respirator is properly fitted.



ENVIRONMENTAL EXPOSURE CONTROLS:

Dispose of raw and spent materials and wastes in compliance with all local, state, and federal regulations to prevent potential environmental contamination. Industrial air monitoring may be required to determine any potential environmental hazards to the atmosphere. This monitoring may result in the use of engineering and administrative controls such as filtering and scrubbing systems to mitigate or eliminate potential contaminants.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid	FLASH POINT:	>184°C (364°F)
COLOR:	Colorless to clear yellow	AUTO-IGNITION TEMP:	>316°C (>600°F)
ODOR:	Amine odor	DECOMPOSITION TEMPERATURE:	>300°C (>572°F)
ODOR THRESHOLD:	Not available	EXPLOSIVE LIMITS:	Not explosive
pH:	N/A	FLAMMABILITY:	Not available
WATER SOLUBILITY:	N/A	BOILING POINT:	Not available
PARTITION COEFFICIENT:	Not available	BOILING RANGE:	Not available
SPECIFIC GRAVITY:	1.0-1.1 (Water=1)	MELTING/FREEZING POINT:	Not available
VISCOSITY:	300-600cps @ 25°C	VAPOR PRESSURE:	Not available
EVAPORATION RATE:	Not available	VAPOR DENSITY:	Not available
VOC:	0 grams/liter	RELATIVE DENSITY:	8.3-9.2 lbs/gal

SECTION 10: STABILITY & REACTIVITY

STABILITY: Stable when handled and stored at temperatures 15°C-32°C (60°C-90°F).

INCOMPATIBILITY: Will react with acids.

HAZARDOUS REACTION: Reaction with water (moisture) produces CO₂ gas. Exothermic reaction with materials containing active hydrogen groups. The reaction becomes progressively higher in temperatures if the miscibility of the reactions partners is good or is supported by stirring or the presences of solvents.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

CONDITIONS TO AVOID: Avoid temperatures above 100°F and freezing temperatures. Avoid moisture contamination in containers.

HAZARDOUS DECOMPOSITION: Combustion of product will lead to toxic levels of ammonia. Oxides of nitrogen, carbon, aldehydes and ketones are produced.



SECTION 11: TOXICOLOGY INFORMATION

SIGNS AND SYMPTOMS OF OVEREXPOSURE/ACUTE HEALTH EFFECTS:

- EYE CONTACT:** Causes eye irritation.
- SKIN CONTACT:** Causes causes skin irritation.
- INHALATION:** Harmful if inhaled.
- INGESTION/ASPIRATION:** Harmful if swallowed.

ACUTE TOXICITY:

INGREDIENT NAME	LD ₅₀ Oral (mg/kg)	LD ₅₀ Dermal (mg/kg)	LC ₅₀ Inhalation (mg/m ³ /4hrs)
Polyoxypropylenediamine	480mg/kg (rat)	2,090mg/kg (rabbit)	No data available
Diethylmethylbenzenediamine	738mg/kg (rat)	>2,000mg/kg (rabbit)	No data available
Polyetheramine	2,690 mg/kg (rat)	12,500 mg/kg (rabbit)	No data available

POTENTIAL CHRONIC EFFECTS:

- CHRONIC EFFECTS:** As two year study on rats showed diethylmethylbenzenediamine caused effects in the pancreas, liver, thyroid, and eyes. An increase in the number of tumors in the liver and thyroid of male rats and in the liver and possibly mammary glands of female rats was found.
- TARGET ORGANS:** Pancreas, liver, thyroid, and eyes.
- CARCINOGENICITY:** As of this publication, this material is not listed on the National Toxic Program (NTP) Report of Carcinogens. Please refer to the most recent information with NTP.
- MUTAGENICITY:** No known significant effects or critical hazards.
- TERATOGENICITY:** No known significant effects or critical hazards.
- FERTILITY EFFECT:** No known significant effects or critical hazards.
- DEVLEOPMENTAL EFFECTS:** No known significant effects or critical hazards.

MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE: Existing respiratory/pulmonary conditions may be aggravated by overexposure.



SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: Immediately harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment. Not readily biodegradable.

AQUATIC ECOTOXICITY:

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Polyoxypropylenediamine	-	LC ₅₀ >100mg/L	Fish	96 hours
	-	LC ₅₀ >135mg/L	Algae	72 hours
	-	LC ₅₀ >15mg/L	Daphnia	48 hours
Diethylmethylbenzenediamine	-	LC ₅₀ >200mg/L	Fish	48 hours
	-	LC ₅₀ >0.5mg/L	Daphnia	48 hours
	-	EC ₅₀ >104mg/L	Algae	72 hours
	-	EC ₅₀ >54mg/L	Algae	72 hours
Polyetheramine	-	LC ₅₀ 68mg/L	Fish	96 hours

PERSISTENCE AND DEGRADABILITY:

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Diethylmethylbenzenediamine	unknown	Not readily biodegradable	-	unknown
Polyetheramine	-	Not readily biodegradable	-	28 days

BIOACCUMULATIVE POTENTIAL:

PRODUCT NAME	LogP _{ow}	BCF	POTENTIAL
Propylene Carbonate	-0.41	none	low

MOBILITY: By considering the production and use of the substance, it is unlikely that significant environmental exposure in the air or water will arise, but will react with water to produce inert and non-biodegradable solids.

OTHER ECOLOGICAL INFORMATION

Biological Oxygen Demand: (BOD 5 Day) Not determined.
 Chemical Oxygen Demand (COD) Not determined.

SECTION 13: DISPOSAL CONSIDERATION

WASTE DISPOSAL: By-product wastes or process waste generation shall be eliminated and/or minimized when possible. Do not dispose of any contaminants into sanitary sewer systems, storm drains, Publicly Owned Treatment Works (POTW), or any other municipal waste water treatment without written approval and






SAFETY DATA SHEET
WATERSHIELD III™ “B” COMPONENT
 Revised Date: 4/1/2014
 Draft: 2
 SDS-026

agreements for processing wastes with such enterprises. Dispose of raw or unused materials, wastes, and/or by-products in accordance with all applicable local, state, and federal laws. Employ the expertise and knowledge of qualified personnel or contractors in disposal of any and all variants of this product. Ensure material containers are cleaned to the applicable standards before recycling, disposing, or reusing containers. Take special precautions to avoid any cross contamination and potential unknown effects from mixing with other substances. Refer to SECTION 8: EXPOSTURE CONTROL/PERSONAL PROTECTION of this document for personal protection requirements. Disposal to the environment or in violation of environmental protection laws and statutes must be prevented.

SECTION 14: TRANSPORT INFORMATION

PROPER SHIPPING NAME:

DOT:	Corrosive, liquid, n.o.s. (contains Polyoxypropylendiamine)
TDG:	Corrosive, liquid, n.o.s. (contains Polyoxypropylendiamine)
IMDG:	Corrosive, liquid, n.o.s. (contains Polyoxypropylendiamine)
IATA:	Corrosive, liquid, n.o.s. (contains Polyoxypropylendiamine)

REGULATORY INFORMATION	UN NUMBER	CLASSES	PG*	LABEL	ADDITIONAL INFORMATION
DOT Classification	UN2735	8	III		none
TDG Classification	UN2735	8	III		none
IMDG Classification	UN2735	8	III		none
IATA-DGR Class	UN2735	8	III		none



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*PG: Packaging group

This product could potentially contaminate aquatic and terrestrial environments if not handled in accordance with all precautions, regulations, and laws. Users, transporters, and all other applicable entities must review, follow, and apply any and all necessary precautions and procedures to eliminate and/or minimize potential hazards or risks to aquatic or terrestrial environments.

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations

This material is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200)

HCS Classification: Toxic material
 Irritant
 Corrosive material

U.S. Federal regulations: United States Inventory (TSCA 8b): All components are listed or exempted. This product does not contain nor is it manufactured with ozone depleting substances.

TSCA 8(b)2 inventory: No ingredients listed.

TSCA 5(a) 2 final significant new use rule (SNUR): No ingredients listed.

TSCA 5(e) substance consent order: No ingredients listed.

TSCA 12(b) export notification: No ingredients listed.

SARA 313: Immediate (acute) health hazard

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) No ingredients listed.

Clean Air Act – Ozone Depleting Substances (ODS) This product does not contain nor is it manufactured with ozone depleting substances.

SARA 313:

	PRODUCT NAME	CAS NUMBER	Concentration
Form R- Reporting Requirements	None	-	-
Supplier Notification	None	-	-

CERCLA Hazardous substances: None



STATE REGULATIONS:
PENNSYLVANIA – RTK: No ingredients listed.

California Prop 65: This product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under the statute.

Canada
WHMIS (Canada): WHMIS Class D-1A: Material causing immediate and serious toxic effects.
 WHMIS Class E: Corrosive

CEPA DSL: All components are listed or exempted.

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

INTERNATIONAL LISTS:
Australia inventory (AICS): All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: All components are listed or exempted.
Korea inventory: All components are listed or exempted.
New Zealand inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.

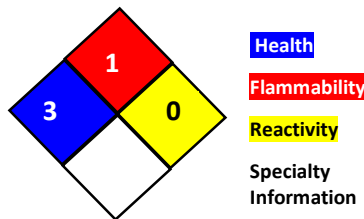
SECTION 16: OTHER INFORMATION

4	Extreme
3	Serious
2	Moderate
1	Slight
0	No Hazard



National Fire Protection Association (NFPA)

Hazardous Material Information System (HMIS)



Health	3
Flammability	1
Reactivity	0
PPE	

Note: The customer is responsible for determining the PPE code for this material. At the time of publishing, the NFPA/HMIS and the New GHS scale had opposite scales of severity. Check the most recent publications for current information.

Date of Issue: 4/1/2014
Date of previous issue: 3/28/2014
For Your Protection: The information and recommendations in this publication is to the best of our



SAFETY DATA SHEET
WATERSHIELD III™ “B” COMPONENT
Revised Date: 4/1/2014
Draft: 2
SDS-026

knowledge, reliable. The toxicity and risk characteristics of products made by SPI will necessarily differ from the toxicity and risk characteristics that occur when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. The user is responsible to comply with all applicable federal, provincial or municipal laws and regulations. SPI MAKES NO WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Preparation Information: This SDS supersedes ALL previous SDS versions.