

SAFETY DATA SHEET



SECTION 1 PRODUCT & COMPANY IDENTIFICATION

BEYNON Sports Surfaces, Inc.

16 Alt Road
Hunt Valley, MD 21030
Phone: (410) 771-9473

TRANSPORTATION EMERGENCY

CALL CHEMTREC (24 hr): 800-424-9300
DISTRICT OF COLUMBIA: 202-483-7616

PRODUCT NAME: **BEYPUR 200A (2-C Sealer Part A) all colors**
CHEMICAL FAMILY: Polymer
CHEMICAL NAME: Proprietary chemical blend
SYNONYMS: Polypropylene Glycol and Filler Blend
RECOMMENDED USE: Use with BEYNON's **UNIVERSAL "B"** ONLY
RESTRICTIONS ON USE: Avoid strong oxidizing agents.

SECTION 2 HAZARD(S) IDENTIFICATION

GHS Classifications & HAZARD STATEMENTS

Skin corrosion/irritant:	Category 2	Causes skin irritation.
Eye corrosion/irritant:	Category 2A	Causes serious eye irritation.
Skin Sensitization:	Category 1A	May cause allergic skin reaction
Aquatic Toxicity (acute):	Category 3	Harmful to aquatic life

PRECAUTIONS:

Wear protective gloves, clothing, and eye/face protection as necessary to prevent direct contact. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Contaminated clothing should not be allowed out of the work place. Wash with plenty of water and soap thoroughly after handling. Avoid release to the environment. Dispose of all contents and containers in accordance with all federal, state, and local regulations. Do not eat, drink, or smoke during work. Use only in well ventilated areas. Keep container closed.

WARNING!



PPE:



SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>EXPOSURE LIMITS</u>	<u>CONCENTRATION (%)</u>
Polyoxypropylenediamine	9046-10-0	Not established	< 2 %

COMPOSITION

<u>INGREDIENT</u>	<u>CONCENTRATION (%)</u>
Polypropylene Glycol and Filler Blend	Exact concentration has been withheld as proprietary formula.

SECTION 4 FIRST AID MEASURES

FIRST AID FOR EYES:

Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

FIRST AID FOR SKIN:

Remove contaminated clothing and wash thoroughly before reuse. Wash the contaminated area of body with soap and fresh water. If irritation develops or persists, get medical attention.

FIRST AID FOR INHALATION:

Move person to fresh air. Get medical attention if irritation develops or persists.

FIRST AID FOR INGESTION:

Dilute with water to drink. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: > 400°F (204.44°C)

EXTINGUISHING EQUIPMENT and MEDIA: Use water fog, foam, CO2 or dry chemical extinguishing media.

SPECIAL FIRE FIGHTING PROCEDURES: Wear pressure demand self-contained apparatus and protective clothing. Excessive exposure to heat may cause container to rupture.

SECTION 6 ACCIDENTAL RELEASE MEASURES

MAJOR SPILL CONTACT: Beynon Sports Surfaces at (410) 771-9473

TRANSPORTATION SPILL: CHEMTREC at (800) 424-9300.

SPILL OR LEAK PROCEDURES: Isolate area. Use appropriate safety and PPE equipment

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

CLEAN UP: Contain spilled material if possible. Cover with absorption materials such as: Sand, wood dust, kitty litter. Remove residual with soap and hot water. Collect in suitable and properly labeled containers and dispose of in accordance with all federal, state, and local regulations.

SECTION 7 HANDLING & STORAGE

STORAGE: Store in a cool, dry, well ventilated place at ambient temperatures.

SHELF LIFE: 1 year

SPECIAL SENSITIVITY: Avoid excessive temperatures, high or low. Avoid moisture.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: Not applicable.

ENGINEERING CONTROLS: Use local exhaust to control vapors and mists if necessary.

RESPIRATORY PROTECTION: Approved organic vapor mist respirator as necessary.

EYE PROTECTION: Wear safety eye protection and use a face shield if a splashing hazard exists.

SKIN PROTECTION: Prevent skin contact with gloves, coveralls, or apron as necessary.

ADDITIONAL PROTECTION: Use good personal hygiene. When using do not smoke, eat, or drink. Wash hands thoroughly after handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Colored liquid with mild odor	Initial boiling point and boiling range:	Not applicable.
Upper/lower flammability or explosive limits:	Not applicable	Flash point:	> 400°F (204.44°C)
Odor:	Mild	Evaporation rate:	Not applicable
Odor threshold:	Not applicable.	Flammability (solid, gas):	Not applicable
Vapor density:	Not applicable.	Vapor pressure:	Not applicable
pH:	9.5 – 9.8	Partition coefficient: n-octanol/water:	Not applicable
Relative density (specific gravity):	1.29-1.31 g/cm ³	Auto-ignition temperature:	Not applicable
Melting point/freezing point:	Not applicable.	Decomposition temperature:	Not applicable
Solubility(ies):	Not applicable.	Viscosity:	Not applicable

SECTION 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

REACTIVITY: Incompatible with Oxidizing Agents

OTHER: Avoid exposure to moisture and extreme temperatures.

SECTION 11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Skin, inhalation, eyes, ingestion.

EFFECTS: Irritation.

For Component Polyoxypropylenediamine (< 2 %)

Acute Toxicity/Effects

Assessment of acute toxicity: Of low toxicity after single ingestion. Of low toxicity after short-term skin contact. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard.

Oral

Type of value: LD50

Species: rat (male/female)

Value: 2,885 mg/kg (similar to OECD guideline 401)

Inhalation

Type of value: LC0

Species: rat (male/female)

Value: > 0.74 mg/l (IRT)

Exposure time: 8 h

No mortality was observed.

Dermal

Type of value: LD50

Species: rabbit (male/female)

Value: 2,980 mg/kg (similar to OECD guideline 402)

Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion

Assessment of irritating effects: Corrosive! Damages skin and eyes.

Skin

Species: rabbit

Result: Corrosive.

Method: similar to OECD guideline 404

Eye

Species: rabbit

Result: Risk of serious damage to eyes.

Method: similar to OECD guideline 405

Sensitization

Assessment of sensitization: No data available. As the substance is corrosive, conducting sensitization studies is not feasible.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: No substance-specific organotoxicity was observed after repeated administration to animals. After repeated exposure the prominent effect is local irritation.

Genetic toxicity

Assessment of mutagenicity: No mutagenic effect was found in various tests with mammalian cell culture and mammals. The substance was not mutagenic in bacteria.

Carcinogenicity

Assessment of carcinogenicity: No data available concerning carcinogenic effects.

Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. The results were determined in a Screening test (OECD 421/422).

Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies. The results were determined in a Screening test (OECD 421/422).

listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition)

NO

SECTION 12 ECOLOGICAL INFORMATION

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

For Component Polyoxypropylenediamine (< 2 %)

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Material Name: **BEYPUR 200 A**

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Acutely harmful for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish

LC50 (96 h) > 15 mg/l, *Oncorhynchus mykiss* (OECD Guideline 203, semistatic)

The details of the toxic effect relate to the nominal concentration. Limit concentration test only (LIMIT test).

LC50 (96 h) 772.14 mg/l, *Cyprinodon variegatus* (OECD Guideline 203, static) The details of the toxic effect relate to the nominal concentration.

Aquatic invertebrates

EC50 (48 h) 80 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static) The details of the toxic effect relate to the nominal concentration.

EC50 (48 h) 418.34 mg/l, *Arcatia tonsa* (Daphnia test acute, static) The details of the toxic effect relate to the nominal concentration.

Aquatic plants

EC50 (72 h) 15 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static) The details of the toxic effect relate to the nominal concentration.

No observed effect concentration (72 h) 0.32 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static) The details of the toxic effect relate to the nominal concentration.

EC50 (72 h) 141.72 mg/l, *Skeletonema costatum* (ISO/DIS 10253, static) The details of the toxic effect relate to the nominal concentration.

No observed effect concentration (72 h) 100 mg/l, *Skeletonema costatum* (ISO/DIS 10253, static) The details of the toxic effect relate to the nominal concentration.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

OECD Guideline 209 aerobic activated sludge of a predominantly domestic sewage/EC20 (3 h): 380 mg/l The details of the toxic effect relate to the nominal concentration.

Persistence and degradability

Assessment biodegradation and elimination (H₂O) Not readily biodegradable (by OECD criteria).

Elimination information

0 % CO₂ formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

Assessment of stability in water

In contact with water the substance will hydrolyse slowly.

Information on Stability in Water (Hydrolysis)

t_{1/2} > 1 a (25 °C, pH value 7), (Directive 92/69/EEC, C.7)

In contact with water the substance will hydrolyse slowly.

Assessment photodegradation

After evaporation or exposure to the air, the product will be rapidly degraded by photochemical processes.

Photodegradation

t_{1/2} (Indirect photolysis) 1.6 h; OH radical. After evaporation or exposure to the air, the product will be rapidly degraded by photochemical processes.

Bioaccumulative potential

Assessment bioaccumulation potential. No significant accumulation in organisms is expected as a result of the distribution coefficient of octanol/water (log Pow). The product will not be readily bioavailable due to its consistency and insolubility in water.

Mobility in soil

Assessment transport between environmental compartments. Adsorption to solid soil phase is not expected.

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Waste must be disposed of in accordance with federal, state, and local Environmental control regulations.

Incineration is the preferred method.

Do not discharge into waterways or sewer systems.

EMPTY CONTAINER PRECAUTIONS:

Empty containers retain product residue; observe all precautions for product. Do not reuse without thorough commercial cleaning and reconditioning. Drums destined for a scrap dealer or landfill must be punctured or crushed to prevent reuse.

SECTION 14 TRANSPORT INFORMATION

TRANSPORTATION EMERGENCIES:

Contact should be made with **Beynon Sport at (410) 771-9473** or if for some reason there is no response, contact **CHEMTREC (800-424-9300)** when this product is unintentionally released from its container during its course of distribution, regardless of the amount released. Distribution includes transportation, storage incidental to transportation, loading and unloading. Such notification must be immediate and made by the person having knowledge of the release.

DOT (DOMESTIC SURFACE): Non-regulated material

IMO / IMDG CODE (OCEAN): Non-regulated material

ICAO / IATA (AIR): Non-regulated material

SECTION 15 REGULATORY INFORMATION

US. Toxic Substances Control Act: Listed on the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302): Components: None

SARA Section 311/312 Hazard Categories: None

US. EPA Emergency Planning and Community Right-To-Know Act
(EPCRA) SARA Title III, Section 302 Extremely Hazardous Substance Components: None
(40 CFR 355, Appendix A):

US. EPA Emergency Planning and Community Right-To-Know Act
(EPCRA) SARA Title III, Section 313 Toxic Chemicals (40 CFR 372.65) Components: None
- Supplier Notification Required:

SECTION 16 OTHER INFORMATION

Contact: Product Safety, BEYNON Sports Surfaces, Inc.

Telephone: 410-771-9473

MSDS Number:

Origination Date: 8/27/12

Revision Date: 6/1/2015

Revision No.: 4

Location and description of revision(s): Updated for new GHS Classification of components.

Information on this form is offered in good faith as typical values and not as a product specification. No warranty, either express or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.