SAFETY DATA SHEET

Per GHS standard format

Date of preparation: May, 2016

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Product Identifier

Product Name: Novabond® CP761 Concrete Primer®

Recommended Use of Product: Acrylic binder to be added to sand cement to repair asphalt or concrete recreational surfaces.

Information on the Supplier of the Safety Data Sheet

Manufacturer's Name:
Nova Sports USA, Inc.
6 Industrial Rd, Bld. 2, Milford, MA 01757
Emergency Telephone: 508-473-6540

SECTION 2. Hazards Identification:

Hazard classification
This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200
Other hazards
No data available
Symbol(s) of product
None
Signal Word
Not a hazardous substance or mixture

SECTION 3. Composition/Information on Ingredients:

Chemical nature: Acrylic emulsion
This product is a mixture

Component	CASRN	Concentration
Acrylic polymer(s)	Not hazardous	46.0-48.0 %
Residual monomers	Not available	<0.05 %
Aqua ammonia	1336-21-6	<=0.3%
Water	7732-18-5	52.0-54.0 %

Note:
Polymeric description(s) presented in this section are the U.S. Toxic Substances Control Act (TSCA) definitions.

SECTION 4. First Aid Measures:

Description of first aid measures
Inhalation: Move to fresh air

Skin contact: Wash with water and soap as a precaution. If skin irritation persists, call a physician

Eye contact: Rinse with plenty of water. If eye irritation persists, consult a specialist.

Ingestion: Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects as described in section 11: Toxicology Information

Indication of any immediate medical attention and special treatment needed
Notes to physician: Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: no data available

Special hazards arising from the substance or mixture
Hazardous combustion products: no data available

Unusual Fire Explosion Hazards: Material can splatter above 100C/212F. Dried product can burn.

Advice for firefighters
Firefighting Procedures: no data available

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures:

Personal precautions, protective equipment and emergency proceedures: Use personal protective equipment. Keep people away from and upwind of spill/leak/ Material can create slippery conditions.

Environmental precautions: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods and materials for containment and cleaning up: Contain spills immediately with inert materials (e.g., sand earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

SECTION 7. Handling and Storage:

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Conditions for safe storage: Keep from freezing – product stability may be affected. STIR WELL BEFORE USE.

Storage stability
Storage temperature: 1-49C (34-120F)
Other data: Monomer vapors can be evolved when material is heated during processing operations. See Section 8, for types of ventilation required.

SECTION 8. Exposure Controls and Personal Protection:

Control parameters
Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value/Notation
Aqua ammonia			
	OSHA Z-1	TWA	35 mg/m3 50ppm
	ACGIH	TWA	25 ppm, Ammonia
	ACGIH	STEL	35 ppm, Ammonia

Exposure controls
Engineering controls: Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A manual of recommended Practice published by the American Conference of Governmental Industrial Hygienist for information on the design, installation, use and maintenance of exhaust systems.

Protective measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.

Individual protection measures
Eye/face protection: Safety glasses with side shields. Eye protection worn must be compatible with respiratory protection system employed.
Skin Protection
Hand Protection: The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves

Respiratory protection: A respiratory protection program meeting OSHA 1910.134 and ANSIZ88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Exposure limit information. For airborne concentrations up to 10 times the exposure limit, wear a properly fitted NIOSH approved (or equivalent) half-mask, air purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) ammonia/methylamine cartidges and N95 filters. If oil is present, use R95 or P95 filters.

SECTION 9. Physical and Chemical Properties:

Appearance	
Physical state	liquid Milky
Color	white
Odor	Ammonia odor
Odor Threshold	no data available
pH	9.3 – 10.2
Melting point/range	0ºC (32º F) Water
Freezing point	no data available
Boiling point(760 mmHg)	100.00º C (212.00º F) Water
Flash point	Noncombustible
Evaporation Rate (Butyl Acetate = 1)	<1.00 Water
Flammability (solid, gas)	Not Applicable
Lower explosion limit	Not Applicable
Upper explosion limit	Not Applicable
Vapor Pressure	17 mmHg at 20.00º C (68.00º F) Water
Relative Vapor Density (air = 1)	<1.0000 Water
Relative Density (water =1)	1.0000 – 1.2000
Water solubility	Dilutable
Partition coefficient:	
n-octanol/water	no data available
Auto-ignition temperature	Not Applicable
Decomposition temperature	no data available
Dynamic Viscosity	5.000 – 55.000 mPa.s
Kinematic Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Molecular weight	no data available
Percent volatility	52.000 – 54.000

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10. Stability and Reactivity:

Reactivity: No Data Available
Chemical Stability: Stable.
Possibility of hazardous reactions: None known. Product will not undergo polymerization.
Conditions to Avoid: no data available
Incompatible materials: There are no known materials that are incompatible with this product

Hazardous decomposition products: Thermal decomposition may yield acrylic monomers.

SECTION 11. Toxicological Information:

Toxicological information on this product or its components appear in this section when such data is available.

Acute toxicity

Acute oral toxicity
LD50, Rat, >5,000 mg/kg

Acute dermal toxicity
LD50, Rabbit, >5,000 mg/kg

Acute inhalation toxicity
Product test data not available

Skin corrosion/irritation
May cause transient irritation

Serious eye damage/eye irritation
No eye irritation

Sensitization
Product test data not available

Specific Target Organ Systemic Toxicity (Single Exposure)
Product test data not available

Specific Target Organ Systemic Toxicity (Repeated Exposure)
Product test data not available

Carcinogenicity
Product test data not available

Teratogenicity
Product test data not available

Reproductive toxicity
Product test data not available

Mutagenicity
Product test data not available

Aspiration Hazard
Product test data not available

Additional Information
No data are available for this material. The information shown is based on profiles of compositionally similar materials.

Components influencing Toxicology:

Acrylic polymer(s)
Acute inhalation toxicity
The LC50 has not been determined.

Residual monomers
Acute inhalation toxicity
The LC50 has not been determined

Aqua ammonia
Acute inhalation toxicity
LC50, Rat, male, 1 Hour, dust/mist, 9.850 mg/l

Sensitization
For skin sensitization
No relevant data found

For respiratory sensitization
No relevant data found

Specific Target organ Systemic Toxicity (Repeated Exposure)
Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Carcinogenicity
Did not cause cancer in laboratory animals.

Teratogenicity
Available data are inadequate for evaluation of potential to cause fetotoxicity

Reproductive toxicity
Available data are inadequate to determine effects on reproduction.

Mutagenicity
In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

Aspiration Hazard
Based on physical properties, not likely to be an aspiration hazard.

SECTION 12. Ecological Information:

General Information:
There is no data available for this product.

Toxicity

Acrylic polymer(s)
Acute toxicity to fish
No relevant data found

Residual monomers
Acute toxicity to fish
No relevant data found

Aqua ammonia
Acute toxicity to fish
Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested).
LC50, Fish.96 Hour, 0.89 mg/l

Acute toxicity to aquatic invertebrates
LC50, Daphnia magna (water flea), static test, 48 hour, 101 mg/l

Persistence and degradability

Acrylic polymer(s)
Biodegradability: no relevant data found.

Residual monomers
Biodegradability: no relevant data found

Aqua ammonia
Biodegradability: Material is expected to be readily biodegradable. Biodegradation may occur under aerobic conditions (in the presence of oxygen).

Theoretical Oxygen Demand: 3.76 mg/mg Estimated.

Bioaccumulative potential

Acrylic polymer(s)
Bioaccumulation: No relevant data found.

Residual monomers
Bioaccumulation: No relevant data found

Aqua ammonia

Bioaccumulation: Partitioning from water to n-octanol is not applicable.

Mobility in soil

Residual monomers

No relevant data found

SECTION 13. Disposal considerations:

Disposal methods: Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state and federal regulations.

SECTION 14. Transportation Information:

DOT Not regulated for transport

Classification for SEA transport (IMO-IMDG):

Not regulated for transport

Classification for AIR transport (IATA/ICAO):

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15. Regulatory Information:

OSHA Hazard Communication Standard

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910,1200).

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-know Act of 1986) Sections 311 and 312

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-know Act of 1986) Section 313

This product does not contain a chemical which is listed in Section 313 at or above the minimum concentrations.

Pennsylvania
Any materials listed as “Not Hazardous” in the CAS REG NO. Column of SECTION 2, Composition/Information on Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-know Act.

United States TSCA Inventory (TSCA)
All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains no Proposition 65 chemicals.

SECTION 16. Other Information:

Hazard Rating System
HMIS

Health	Flammability	Physical Hazard
1	**0**	**0**

Legend

ACGIH USA ACGIH Threshold Limit Values (TLV)

OSHA Z-1 USA Occupational Exposure limits (OSHA) – Table Z-1 limits for air Contaminants

STEL Short-term exposure limit

TWA Time weighted average