



MATERIAL SAFETY DATA SHEET

Date Prepared: 08/13

DUCT ARMOR ACRYLIC COATINGS

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: DUCT ARMOR

Company Emergency Telephone Number:

Nova Industries, LLC
1233 North Cedar Street #26
Owasso, OK 74055
1-918-230-5826

CHEMTREC: 800.424.9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number %	(by weight)
Acrylic polymer	Not Hazardous	53.0-57.0
Titanium dioxide	13463-67-7	6.0-8.0
Calcium carbonate	1317-65-3	30.0-35.0
Zinc Oxide	1314-13-2	1.0-2.0
Ammonia	7664-41-7	0.2 25ppm (ACGIH)
Water	7732-18-5	43-47

See SECTION 8, Exposure Controls / Personal Protection

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye Material can cause the following:

- Burning of Eyes
- Tearing, Redness, or Swelling

Skin Prolonged or repeated skin contact can cause the following:

- skin irritation if not promptly washed with soap and water

Swallowing

May cause abdominal pain, nausea and vomiting

Inhalation

Inhalation of vapor or mist can cause the following:

- irritation of nose, throat, and lungs – headache – nausea

4. FIRST AID MEASURES

Eyes: Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

Skin: Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists. Wash contaminated clothing thoroughly before reuse. Do not take clothing home to be laundered.

Swallowing: If swallowed, give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Consult a physician.

Inhalation: Move subject to fresh air.



5. FIRE FIGHTING MEASURES

Flash Point

Noncombustible > 205F / < 96C

Explosive Limit

Not Applicable

Auto ignition Temperature

Not Applicable

Hazardous Products of Combustion

Not Applicable

Unusual Hazards

Material can splatter above 100° c./ 212° f. Dried product can burn.

Extinguishing Media

Foam, CO2, Dry Chemical as appropriate for surrounding fire.

NFPA Rating

Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Protection: Appropriate protective equipment must be worn when handling a spill of this material. See Section 8

Large Spill: Dike and absorb with inert material, such as sand and remove liquid with use of a vacuum system. Absorb remaining liquid with sand or commercial absorbent and place in containers for proper disposal. Keep any spills away from open bodies of water and also municipal sewers.

7. HANDLING AND STORAGE

Handling and Storage: Keep from freezing. Keep container cool and dry. Use and store this product with adequate ventilation. Keep product containers closed tight when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Use chemical goggles. If splashing occurs during spray operations, wear a face shield. Do not wear contact lenses as they may contribute to the severity.

Skin Protection: Use of gloves impermeable to the specific material handled is advised.

Respiratory Protections: Follow OSHA Regulation 29 CFR 1910.134 for respirator use. When comfort levels may be exceeded, use an approved air purifying respirator equipped with an ammonia/methylamine cartridge.

Engineering Controls: Use Local exhaust ventilation with a minimum capture velocity of 100 ft/min. at the point of vapor evolution.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Color

White

Boiling Point

212°F/100°C

Flash Point

240° F

Vapor Density

Heavier than air

Specific Gravity

1.32 (Water = 1)

PH

8.5 to 9.5

Solubility in Water

Soluble



10. STABILITY AND REACTIVITY

Hazardous Polymerization

Will not occur

Chemical Stability

Stable

Conditions to Avoid

Do Not allow to freeze

Minimize exposure to temperatures above 150 °F/65.6 °C

May emit toxic materials when heated to 350 °F/177 °C or above.

Apply material in a well-ventilated area.

Incompatible Materials

No Materials are known to be incompatible with this material.

11. TOXICOLOGICAL INFORMATION

* Data is for individual components of preparation

Materials having a known Chronic/ Acute Effect on eyes:

Eye Irritation: Slight to moderate irritation

Materials having a known oral toxicity.

Titanium Dioxide CAS#13463-67-7 Dermal LD50 (rabbit) >10g/kg

Material having a known Dermal Toxicity:

Titanium Dioxide CAS#13463-67-7 LC50 (rat) >25 g/kg

Materials Having a known inhalation hazard

Titanium Dioxide CAS#13463-67-7 LC50 (rat) >6.82 mg/l (4 Hr.)

Identified Acute/Short-term Effects

No animal data available

Identified Carcinogens/Long term Effects

No animal data available

Identified Teratogens

No animal data available

Identified Reproductive Toxins

No animal data available

Identified Mutagens

No animal data available

12. Ecological Information

Ecotoxicological effects on plants and animals

Titanium Dioxide CAS#13463-67-7 96 Hr. LC50 (Fathead Minnows) >1,000 mg/l

Chemical Fate

No data available

13. Disposal Consideration

Instruction: Whatever cannot be saved for reuse should be transferred to an appropriate and approved waste disposal facility. Consult appropriate national, state and local regulatory agencies to ascertain proper disposal procedures.



14. TRANSPORT INFORMATION

Shipping Information:

DOT Information: 49 CFR 172.01

DOT Description: Not Regulated

Regulatory Agency: Not Applicable

Proper Shipping Name: Not Applicable

Hazard Classification: Not Applicable

Identification Number: Not Applicable

Labels Required: Not Applicable

Other Requirements: Not Applicable

15. REGULATORY INFORMATION

No toxic chemicals subject to reporting requirements of Section 313 of Title III and of 40 CFR 372 are present in the product base.

Workplace Classification

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Information (40CFR 302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

Waste Classification

When a decision is made to discard this material as supplied, it is classified as a RCRA non-hazardous waste.

Canadian Environmental Protection Act (CEPA)

All of the components of this product are exempt or listed on the DSL/NDL

EINECS:

All of the products of this product are listed in the EINECS inventory or are exempt from notification requirements

State Regulations

California –

California Proposition 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986

" Warning: This product contains chemical(s) appearing below known to the State of California to

A: Cause Cancer

None Known

B. Cause Birth Defects or other Reproductive Harm:

None Known

In addition to the above named chemical(s) (if any), this product may contain trace amounts of chemicals, known to the State of California, to cause Cancer or Birth Defects and other Reproductive harm

Delaware:

None Known

Florida:

Zinc Oxide CAS#1314-13-2 Listed as toxic

Idaho:

None Known

Massachusetts:

Titanium Dioxide CAS#1314-67-7 Substance Code 4

Zinc Oxide CAS#1314-13-2 Substance Codes 2, 4, F8, F9

Michigan:

None Known

Minnesota:

Titanium Dioxide CAS#13463-67-7



Listed in Hazardous Substance List:

Codes A

Hazards ---

Carcinogen NO

Zinc Oxide CAS#1314-13-2

Listed In the Minnesota Hazardous Substance List:

Codes: ANO

Hazards ---

Carcinogen NO

New Jersey:

None Known

New York:

None Known

Pennsylvania:

Titanium Dioxide CAS# 13463.67-7 Code --

Zinc Oxide CAS#1314-13-2 Code E

Washington:

Titanium Dioxide(total dust) CAS#13463-67-7

Washington Air Contaminant PPM mg/cubic meter

TWA UNK 10

STEL UNK UNK

Ceiling UNK UNK

Skin:UNK

Wisconsin:

None Known

West Virginia:

The following is on the West Virginia Toxic Air Pollutant List:

Titanium Dioxide CAS13463-67-7 (Pounds per Year)

16. Other Information

HMS III

HEALTH 2

Flammability 0

Physical Hazard 0

Following Health Hazard Rating indicates Chronic/Carcinogenic effects

HMS III

Personal Protection G

This rating is for the product as it is packaged. This rating will need to be adjusted by the user based on conditions of use

DISCLAIMER

The information contained herein is based on data considered to be accurate; however, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the Safety Data Sheet. Additional vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk of his use of the material.

Prepared by: C. Boddie

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