

SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: NOVASAFE MIXED KIT Product Code: A4-2451X

Manufacturer's Name: Induron Protective Coatings, LLC
Address: 3333 Richard Arrington Blvd. N.
Birmingham, Alabama 35234

Emergency Phone: 1-800-424-9300
Information Phone: (205)324-9584



Section 2 : Hazards Identification

GHS Ratings:

| | |
|------------------------|----|
| Flammable liquid | 2 |
| Skin corrosive | 2 |
| Eye corrosive | 1 |
| Respiratory sensitizer | 1 |
| Skin sensitizer | 1 |
| Carcinogen | 1A |

GHS Hazards

| | |
|------|---|
| H225 | Highly flammable |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H350 | May cause cancer |

GHS Precautions

| | |
|----------------|--|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P210 | Keep away from heat/sparks/open flames/hot surfaces - No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash equipment and contaminated skin thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P281 | Use personal protective equipment as required |
| P285 | In case of inadequate ventilation wear respiratory protection |
| P310 | Immediately call a POISON CENTER or doctor/physician |
| P321 | Wash contaminated skin, follow Physician's instructions for treatment. |
| P362 | Take off contaminated clothing and wash before reuse |
| P363 | Wash contaminated clothing before reuse |
| P302+P352 | IF ON SKIN: Wash with soap and water |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing . Rinse skin with water/shower |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing |

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P308+P313 IF exposed or concerned: Get medical advice/attention

P332+P313 If skin irritation occurs: Get medical advice/attention

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/physician.

P370+P378 In case of fire: Use CO2, water spray, foam, or dry chemical to extinguish.

P405 Store locked up

P403+P235 Store in a well ventilated place. Keep cool

P501 Dispose of contents/container in accordance to appropriate regulations and laws.

Signal Word: Danger



Section 3 : Composition / Information on Ingredients

| Chemical Name | CAS number | Weight Concentration % |
|---|------------|------------------------|
| Phenol, polymer with formaldehyde, glycidyl ether | 28064-14-4 | 36.00% |
| Silicon dioxides | 14808-60-7 | 19.00% |
| 1-Butylacetate | 123-86-4 | 5.00% |
| Methyl ethyl ketone | 78-93-3 | 5.00% |
| Furfuryl Alcohol | 98-00-0 | 4.00% |
| Benzene, 1,3-di(aminomethyl)- | 1477-55-0 | 3.00% |
| Benzyl alcohol | 100-51-6 | 3.00% |
| Araldite hardener HY 951 | 112-24-3 | 2.00% |

Section 4: First Aid Measures

Move the exposed person to fresh air. If vapors are still present the rescuer should wear the appropriate mask. If breathing is irregular or arrest occurs use artificial respiration by trained personnel. Loosen tight fitting clothing. Get medical aid immediately.

Immediately flush eyes with plenty of water for at least 15 minutes. Regularly lift upper and lower eyelids during flushing. Remove contact lenses. Get medical aid.

Flush contaminated skin with water. Remove contaminated cloths, avoiding skin contact while doing so. Get medical attention. Clean contaminated shoes thoroughly before reuse.

Wash mouth out thoroughly. Do not induce vomiting unless directed by medical personnel. Get medical attention

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been inhaled or ingested.

Section 5: Fire Fighting Measures

Flash Point: -5 C (23 F)

LEL: 1.00

UEL: 13.00

For flammable liquid: Can burst from pressure if in sealed container and heated, with risk of subsequent explosion. Vapors are heavier than air, can spread on ground and collect in low lying areas. Runoff to a collection area can create a fire or explosion hazard.

Dry Chemical, CO2, water spray)(fog), or foam. Do not use water jet.

Isolate scene removing persons not trained if there is a fire. Move containers from fire area if there is no risk. Use water spray to keep fire exposed containers cool

Decomposition products may include the following materials: Carbon Oxides.

Fire fighters should wear appropriate protective equipment and well-contained breathing apparatus. Use dry chemical, CO₂, water spray(fog) or foam. Do not use water jet.

Section 6: Accidental Release Measures

No action should be taken with untrained personnel. Evacuate surrounding areas. Do not touch or walk through spill. Shut off all ignition sources. Provide adequate ventilation. Use appropriate protective equipment. Do not breathe dust, mist, or vapor.

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble, or absorb with inert dry material and place in appropriate waste container. Dispose via licensed waste disposal.

Stop leak if without risk. Move containers from area. Approach from upwind. Prevent run off to water source, basements, sewers, or confined areas. Contain and collect spillage with non combustible, absorbent materials, sand, vermiculite, diatomic earth and dispose by local regulation. Use spark-proof tools and explosion proof equipment.

Section 7: Handling and Storage

Use appropriate personal protective equipment. No eating, drinking, or smoking in areas of use. Persons with a history of skin sensitization should not be employed in any process in which this product is used. Avoid exposure during pregnancy. Do not ingest. Use adequate ventilation or respirator. Keep in appropriate container avoiding open flames, sparks or other ignition sources. Use explosion proof equipment and non sparking tools. Use proper grounding procedures.

Store in designated flammable liquid storage areas. Protect from direct sunlight in dry, cool ventilated areas. Keep food and drink away from area. Eliminate all ignition sources. Opened containers must be carefully resealed and kept upright.

Do not use unlabeled containers. Use appropriate containment.

Section 8: Exposure Controls/ Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---|--|--|--|
| Phenol, polymer with formaldehyde, glycidyl ether 28064-14-4 | Not Established | Not Established | Not Established |
| Silicon dioxides 14808-60-7 | .05 mg/m ³ TWA | 0.025 mg/m ³ TWA (respirable fraction) | NIOSH: 0.05 mg/m ³ TWA (respirable dust) |
| 1-Butylacetate 123-86-4 | 150 ppm TWA; 710 mg/m ³ TWA | 200 ppm STEL 150 ppm TWA | NIOSH: 150 ppm TWA; 710 mg/m ³ TWA 200 ppm STEL; 950 mg/m ³ STEL |
| Methyl ethyl ketone 78-93-3 | 200 ppm TWA; 590 mg/m ³ TWA | 300 ppm STEL 200 ppm TWA | NIOSH: 200 ppm TWA; 590 mg/m ³ TWA 300 ppm STEL; 885 mg/m ³ STEL |
| Furfuryl Alcohol 98-00-0 | TWA: 50 ppm TWA: 200 mg/m ³ Skin | TWA: 0.2 ppm Skin | Not Established |
| Benzene, 1,3-di (aminomethyl)- 1477-55-0 | Not Established | 0.1 mg/m ³ Ceiling | NIOSH: 0.1 mg/m ³ Ceiling |
| Benzyl alcohol 100-51-6 | Not Established | Not Established | Not Established |
| Araldite hardener HY 951 112-24-3 | Not Established | Not Established | Not Established |

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to meet exposure to airborne contaminants above statutory limits. Use

appropriate controls to keep concentration below explosive limits.
 Ensure adequate ventilation by standard emission testing procedures, Use appropriate respiratory equipment when needed.
 Assure safety training of operators in regards to handling liquids and vapors. Follow local regulatory rules of exposure control using air purifying or air supplied mask as needed.
 Use appropriate protective equipment according to OSHA and NAFTA standards and labeling. Ensure eye wash stations and safety showers are available.
 Wash contaminated gear and clothing before reuse.

Section 9: Physical and Chemical Properties

| | |
|---|--|
| <p>Evaporation rate: NA</p> <p>Autoignition temperature: NA</p> <p>Coating VOC Lb/Gal 1.41</p> <p>Appearance: Taupe</p> <p>VAPOR PRESURE NA</p> <p>Vapor Density: NA</p> <p>DENSITY 9.81</p> <p>Freezing point: NA</p> <p>Boiling range: 137C</p> <p>Flammability: NA</p> | <p>Partition coefficient (n- NA octanol/water):</p> <p>Decomposition temperature: NA</p> <p>Viscosity: NA</p> <p>Odor: E</p> <p>Odor threshold: NO DATA</p> <p>pH: NA</p> <p>Melting point: NA</p> <p>Solubility: NA</p> <p>Flash point: 23°F,-5°C</p> <p>Explosive Limits: NA</p> |
|---|--|

Section 10: Stability and Reactivity

These materials are stable. Under normal conditions of storage and use hazardous reactions or polymerization will not occur. Avoid all source of ignitions, sparks or flames. Do not allow vapor to accumulate in low lying areas.

STABLE

Do not expose to strong oxidizing agents, strong acids, or aliphatic amines.

Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.

Section 11: Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 2,050mg/kg
 Inhalation Toxicity LC50: 317mg/L

Component Toxicity

- 14808-60-7 Silicon dioxides
Oral LD50: 500 mg/kg (Rat)
- 123-86-4 1-Butylacetate
Inhalation LC50: 390 ppm (Rat)
- 78-93-3 Methyl ethyl ketone
Oral LD50: 2,483 mg/kg (Rat) Dermal LD50: 5,000 mg/kg (Rabbit)
- 1477-55-0 Benzene, 1,3-di(aminomethyl)-
Oral LD50: 660 mg/kg (Rat) Dermal LD50: 2 g/kg (Rabbit) Inhalation LC50: 700 ppm (Rat)
- 100-51-6 Benzyl alcohol
Oral LD50: 1,230 mg/kg (Rat) Dermal LD50: 2 g/kg (Rabbit) Inhalation LC50: 9 mg/L (Rat)

Routes of Entry:

Exposure to this material may affect the following organs:

Eyes Kidneys Liver Lungs Central Nervous System Skin Respiratory System

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|--|
| 98-00-0 | Furfuryl Alcohol | 4 | Furfuryl Alcohol: |
| 14808-60-7 | Silicon dioxides | 19 | Silicon dioxides: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed |

This product can be a skin and eye sensitizer. The material should be washed from skin or flushed from eyes immediately. Contaminated clothing should be removed. Wear proper protective equipment. Any other acute toxicological information can be found in section 11.

Approximately 2% of the population can develop skin sensitivity with increasing inflammation and allergic reactions with repeated exposure.

Section 12: Ecological

No known significant effects or critical hazards.

Component Ecotoxicity

| | |
|--------------------------|--|
| 1-Butylacetate | 96 Hr LC50 <i>Lepomis macrochirus</i> : 100 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : 17 - 19 mg/L [flow-through] 72 Hr EC50 <i>Desmodesmus subspicatus</i> : 674.7 mg/L |
| Methyl ethyl ketone | 96 Hr LC50 <i>Pimephales promelas</i> : 3130 - 3320 mg/L [flow-through] 48 Hr EC50 <i>Daphnia magna</i> : >520 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : 5091 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : 4025 - 6440 mg/L [Static] |
| Benzyl alcohol | 96 Hr LC50 <i>Pimephales promelas</i> : 460 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 10 mg/L [static] 48 Hr EC50 water flea: 23 mg/L |
| Araldite hardener HY 951 | 96 Hr LC50 <i>Poecilia reticulata</i> : 570 mg/L [semi-static]; 96 Hr LC50 <i>Pimephales promelas</i> : 495 mg/L 48 Hr EC50 <i>Daphnia magna</i> : 31.1 mg/L 72 Hr EC50 <i>Desmodesmus subspicatus</i> : 2.5 mg/L; 72 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : 20 mg/L; 96 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : 3.7 mg/L |

Section 13: Disposal Considerations

Minimize the generation of waste whenever possible. Dispose by licensed waste disposal contractor. Comply with local, regional, and federal disposal regulations and legislation.

Section 14: Transport Information

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
| DOT | PAINT | 1263 | III | 3 |
| IATA | PAINT | 1263 | III | 3 |

Section 15: Regulatory Information

All components are in compliance with TSCA inventory listing or are exempt.

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

14808-60-7 Silicon dioxides 19 %

HAZARDOUS AIR POLLUTANTS

- None

HAZARDOUS SUBSTANCE/CHEMICALS/POLLUTANTS

- None

CHEMICAL LIST FOR SARA 313

- None

CHEMICAL LIST FOR SARA 311/312

14808-60-7 Silicon dioxides

78-93-3 Methyl ethyl ketone

100-51-6 Benzyl alcohol

CHEMICAL LIST FOR SARA 311

- None

MASSACHUSETTS RIGHT TO KNOW

14808-60-7 Silicon dioxides 19 %

123-86-4 1-Butylacetate 5 %

78-93-3 Methyl ethyl ketone 5 %

98-00-0 Furfuryl Alcohol 4 %

1477-55-0 Benzene, 1,3-di(aminomethyl)- 3 %

100-51-6 Benzyl alcohol 3 %

112-24-3 Araldite hardener HY 951 2 %

NEW JERSEY RIGHT TO KNOW

14808-60-7 Silicon dioxides 19 %

123-86-4 1-Butylacetate 5 %

78-93-3 Methyl ethyl ketone 5 %

98-00-0 Furfuryl Alcohol 4 %

1477-55-0 Benzene, 1,3-di(aminomethyl)- 3 %

112-24-3 Araldite hardener HY 951 2 %

PENNSYLVANIA RIGHT TO KNOW

14808-60-7 Silicon dioxides 19 %

123-86-4 1-Butylacetate 5 %

78-93-3 Methyl ethyl ketone 5 %

98-00-0 Furfuryl Alcohol 4 %

1477-55-0 Benzene, 1,3-di(aminomethyl)- 3 %

100-51-6 Benzyl alcohol 3 %

112-24-3 Araldite hardener HY 951 2 %

- None

Country

Regulation

All Components Listed

EU Risk Phrases

Safety Phrase

- None

Section 16: Other Information

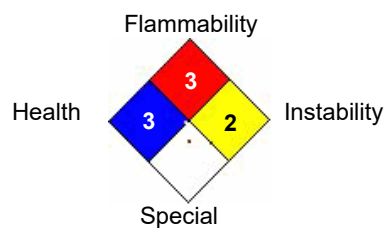
HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

Hazardous Material Information System (HMIS)

| | | |
|---------------------|---|---|
| HEALTH | * | 3 |
| FLAMMABILITY | | 3 |
| PHYSICAL HAZARD | | 2 |
| PERSONAL PROTECTION | G | |

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH

National Fire Protection Association (NFPA)



The information provided herein was believed by Induron Protective Coating to be accurate and reliable, but the user is responsible to comply with all laws and procedures whether included or not. Induron makes no warranty expressed or implied concerning the accuracy of the information except the product will comply with Induron specifications.

Reviewer Revision

Date Prepared: 1/5/2024