



IntegraLock 1213 Resin

(Part A)

Safety Data Sheet (SDS)

Section 1 - Product and Company Identification

Trade Name: IntegraLock 1213 Resin (All Versions)

Product Code: 1213-000-CL0A-01-RES

Company:

Wolverine Coatings Corporation
5969 US Highway 221
Roebuck, SC 29376
+1 (864) 587-3144

Emergency Contact:

ChemTel 24 Hr. US Emergency Number:
+1 (800) 255-3924
ChemTel 24 Hr. Worldwide Emergency Number:
+1 (813) 248-0585

Product Use: Coatings

Not recommended for: None Identified

Section 2 - Hazards Identification

GHS Ratings:

| | | |
|-----------------|----|--|
| Skin Corrosive | 2 | Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation |
| Eye Corrosive | 2A | Eye irritant: Subcategory 2A, Reversible in 21 days |
| Skin Sensitizer | 1 | Skin Sensitizer |
| Mutagen | 2 | Suspected/Possible: May include heritable mutations in human germ cells, Positive evidence from tests in mammals and somatic cell tests, In vivo somatic genotoxicity supported by in vitro mutagenicity |

GHS Hazards

| | |
|------|--------------------------------------|
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H341 | Suspected of causing genetic defects |

GHS Precautions

| | |
|----------------|---|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray |
| P264 | Wash 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 |
| P321 | Specific treatment (see label) |
| 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 |
| 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 |
| P337+P313 | Get medical advice/attention |
| P405 | Store locked up |
| P501 | Dispose of contents/container in accordance with all local, regional, national, and international regulations. |

Signal Word: Warning



Section 3 - Composition / Information on Ingredients

| Chemical Name | CAS number | Weight Concentration % |
|------------------------------------|------------|------------------------|
| Bisphenol A diglycidyl ether resin | 25068-38-6 | 60.00% - 70.00% |
| Alkyl c12 - c14 glycidyl ether | 68609-97-2 | 10.00% - 20.00% |
| Cresyl glycidyl ether, ortho | 2210-79-9 | 10.00% - 20.00% |
| Trade Secret | | 1.00% - 5.00% |

Section 4 - First Aid Measures

Inhalation: If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Eye Contact: Immediately flush eyes for at least fifteen minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If eye irritation persists: Get medical advice/attention.

Skin contact: Immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: 208 C (406 F)

LEL:

UEL:

Extinguishing Media: Use carbon dioxide, foam, dry chemical, dry sand, water fog, or limestone powder extinguishing systems.

Unusual Fire and Explosion Hazards: None

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (Stability and Reactivity) for additional information.

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus.

Fire Equipment: No Data

Section 6 - Accidental Release Measures

Spill And Leak Procedures: Avoid all personal contact. Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Spills should be contained, solidified, and placed in suitable containers for disposal.

Section 7 - Handling and Storage

Handling Precautions: Use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated

with this product.

Storage Requirements: Keep away from heat, sparks, and open flames. Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use.

Section 8 - Exposure Controls / Personal Protection

| Chemical Name / CAS # | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--|----------------------|-----------------------|-----------------------|
| Bisphenol A diglycidyl ether resin 25068-38-6 | Not Established | Not Established | Not Established |
| Alkyl c12 - c14 glycidyl ether 68609-97-2 | Not Established | Not Established | Not Established |
| Cresyl glycidyl ether, ortho 2210-79-9 | Not Established | Not Established | Not Established |
| Trade Secret | Not Established | Not Established | Not Established |

Ventilation: Good general mechanical ventilation and local exhaust is recommended.

Hygiene: Eye wash must be easily accessible. Wear protective clothing as necessary to prevent contact. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Gloves must be inspected regularly and prior to each use. Replace if necessary.

Personal Protective Equipment: Wear impervious protective gloves. Wear OSHA, NIOSH approved organic vapor respirator if ventilation is inadequate. Wear appropriate protective eyewear such as splash-proof, chemical resistant safety goggles.

Contaminated Gear: Take off all contaminated clothing immediately. Wash contaminated clothing before reuse.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

| | | | |
|------------------------------|----------------|----------------------------------|---------------|
| Appearance | Viscous liquid | Odor | Not Available |
| Physical State | Liquid | Vapor Density | 5.66 |
| Vapor Pressure | 0.29 mm Hg | Boiling Range | 120 to 218 °C |
| Specific Gravity (SG) | 1.101 | Lbs VOC/Gallon Less Water | 0.00 |

Section 10 - Stability and Reactivity

Stability:

STABLE

Components of this mixture are incompatible with the following materials:

Strong Oxidizers
Strong Acids
Strong Bases
Strong Reducing Agents
Amines

This mixture is likely to exhibit the following combustion products:

Carbon Dioxide, Carbon Monoxide
Methanol

Silicon oxides

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity:

Inhalation Toxicity LC50: 422mg/L

Component Toxicity:

68609-97-2 Alkyl c12 - c14 glycidyl ether
Oral LD50: 17 g/kg (rat) Dermal LD50: 4,500 mg/kg (rabbit)

2210-79-9 Cresyl glycidyl ether, ortho
Dermal LD50: 2,010 mg/kg (Rabbit)

Routes of Entry:

Inhalation Skin Contact Eye Contact Ingestion

Exposure to this material may affect the following organs:

No Data

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> |
|-------------------|--------------------|-----------------|--------------------------|
| None | | | No Data |

Section 12 - Ecological Information

Component Ecotoxicity:

Bisphenol A diglycidyl ether resin LC50 3.1 mg/l fish 96h; EC50 2.1 mg/l water flea 48h; EC50 >11mg/l Algae 72h; LC50 >100mg/l bacteria 3h

Alkyl c12 - c14 glycidyl ether EC50 10 mg/l water flea 48h

Cresyl glycidyl ether, ortho LC50 5.1 mg/L Fish 96h; EC50 2.8 mg/L water flea 48h; EC50 5.1 mg/L Algae 72h

Trade Secret LC50 55 mg/l fish 96h; EC50 473 mg/l daphnia 48h; EC50 255 mg/l algae 72h

Section 13 - Disposal Considerations

Waste disposal Methods: Dispose in accordance with Federal, State and Local regulations.

Section 14 - Transport Information

This material is classified for transport as follows:

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
| DOT | Non-Regulated | N/A | N/A | N/A |

IATA

IMDG

Section 15 - Regulatory Information

Additional regulatory listings, where applicable:

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:

- None

Materials not included on the Canada DSL inventory:

- None

Commonwealth of Massachusetts "Right to Know": This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:

- None

NJ "Right to Know": This product contains the following toxic or hazardous substances which appear on the New Jersey Substance List:

Trade Secret

Cresyl glycidyl ether, ortho 2210-79-9

Bisphenol A diglycidyl ether resin 25068-38-6

Pennsylvania "Right to Know": This product contains the following toxic or hazardous substances which appear on the Pennsylvania Substance List:

Trade Secret

Cresyl glycidyl ether, ortho 2210-79-9

Bisphenol A diglycidyl ether resin 25068-38-6

EPA SARA Title III Section 313 (40 CFR 372) components above 'de minimum' level:

- None

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

Country

Regulation

All Components Listed

EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

EPA SARA Title III Section 313 (40 CFR 372) components above 'de minimum' level:

Section 16 - Other Information

For further information, please contact the Product Safety director. The information and recommendations contained herein are, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. No representations or warranties, either expressed or implied of merchantability, fitness for a particular purpose, or any other nature, are made hereunder with respect to the information contained herein, or to the chemical to which the user refers.

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