

SAFETY DATA SHEET



Issue Date 04-Aug-2015

Revision Date 23-Nov-2015

Version 2

1. IDENTIFICATION

Product identifier

Product Name UNITED COATINGS ELASTUFF 310 PART B

Other means of identification

Product Code

Recommended use of the chemical and restrictions on use

Recommended Use Polyurethane elastomer coating.

Details of the supplier of the safety data sheet

Supplier Address

GAF
1 Campus Drive
Parsippany, NJ 07054 USA

Emergency telephone number

Company Phone Number 1-800-766-3411
Emergency Telephone Chemtrec 1-800-424-9300
Outside USA and Canada: 1 703-741-5970

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|--|-------------|
| Acute toxicity - Oral | Category 4 |
| Serious eye damage/eye irritation | Category 2 |
| Skin sensitization | Category 1 |
| Carcinogenicity | Category 1A |
| Specific target organ toxicity (repeated exposure) | Category 2 |

Label elements

Emergency Overview

Danger

Hazard statements

Harmful if swallowed
Causes serious eye irritation
May cause an allergic skin reaction
May cause cancer
May cause damage to organs through prolonged or repeated exposure



Appearance No information available

Physical state liquid

Odor No information available

Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves
- Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

- IF exposed or concerned: Get medical advice/attention
- Specific treatment (see .? on this label)
- 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 advice/attention
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

May be harmful in contact with skin Toxic to aquatic life with long lasting effects Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

| Chemical Name | CAS No. | Weight-% | Trade Secret |
|-----------------------|-------------|----------|--------------|
| Diethyltoluenediamine | 68479-98-1 | 10 - 30 | * |
| Trade Secret | Proprietary | 3 - 7 | * |
| QUARTZ | 14808-60-7 | 1 - 5 | * |
| Titanium Dioxide | 13463-67-7 | 1 - 5 | * |
| Trade Secret | Proprietary | 0.1 - 1 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

| | |
|---------------------|--|
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash skin with soap and water. |
| Inhalation | Remove to fresh air. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------------|--|--|---|
| Trade Secret | TWA: 0.5 mg/m ³ Sb | TWA: 0.5 mg/m ³ Sb (vacated) TWA: 0.5 mg/m ³ Sb | IDLH: 50 mg/m ³ Sb TWA: 0.5 mg/m ³ Sb |
| QUARTZ 14808-60-7 | TWA: 0.025 mg/m ³ respirable fraction | (vacated) TWA: 0.1 mg/m ³ respirable dust : (30)/(%SiO ₂ + 2) mg/m ³ TWA total dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction | IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust |
| Titanium Dioxide 13463-67-7 | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust | IDLH: 5000 mg/m ³ |

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special technical protective measures are necessary.

Skin and body protection No special technical protective measures are necessary.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------------|-----------------------|--------------------------|
| Physical state | liquid | Odor | No information available |
| Appearance | No information available | Odor threshold | No information available |
| Color | No information available | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---------------------------------------|--------------------------|-------------------------|
| pH | No information available | |
| Melting point / freezing point | No information available | |

| | |
|--------------------------------------|--------------------------|
| Boiling point / boiling range | No information available |
| Flash point | No information available |
| Evaporation rate | No information available |
| Flammability (solid, gas) | No information available |
| Flammability Limit in Air | |
| Upper flammability limit: | No information available |
| Lower flammability limit: | No information available |
| Vapor pressure | No information available |
| Vapor density | No information available |
| Relative density | No information available |
| Water solubility | No information available |
| Solubility in other solvents | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Kinematic viscosity | No information available |
| Dynamic viscosity | No information available |
| Explosive properties | No information available |
| Oxidizing properties | No information available |

Other Information

| | |
|-----------------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| Material VOC Content | No information available |
| Coating VOC Content | No information available |
| Density | No information available |
| Bulk density | No information available |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--------------------|
| Product Information | No data available |
| Inhalation | No data available. |
| Eye contact | No data available. |
| Skin contact | No data available. |
| Ingestion | No data available. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------------------|---|------------------------|-----------------|
| Diethyltoluenediamine 68479-98-1 | = 472 mg/kg (Rat) = 485 mg/kg (Rat) | = 700 mg/kg (Rabbit) | - |
| Trade Secret | > 34600 mg/kg (Rat) | - | - |
| QUARTZ 14808-60-7 | = 500 mg/kg (Rat) | - | - |
| Titanium Dioxide 13463-67-7 | > 10000 mg/kg (Rat) | - | - |
| Trade Secret | = 1020 mg/kg (Rat) | - | - |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--------------------------------|-------|----------|-------|------|
| Trade Secret | A2 | Group 2B | - | X |
| QUARTZ 14808-60-7 | A2 | Group 1 | Known | X |
| Titanium Dioxide 13463-67-7 | - | Group 2B | - | X |

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 1,295.00

ATEmix (dermal) 2,369.00

ATEmix (inhalation-dust/mist) 18.38

12. ECOLOGICAL INFORMATION

Ecotoxicity

60.4 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---------------|--|---|---|
| Trade Secret | 0.63 - 0.8: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.65 - 0.81: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 80: 96 h Pimephales promelas mg/L LC50 static 1000: 96 h Brachydanio rerio mg/L LC50 static | 1000: 48 h Daphnia magna mg/L EC50 361.5 - 496.0: 48 h Daphnia magna mg/L EC50 Static |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|---------------|-----------------------|
| Trade Secret | 1.3 |

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

| Chemical Name | California Hazardous Waste Status |
|---------------|-----------------------------------|
| Trade Secret | Toxic |

14. TRANSPORT INFORMATION

DOT

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
Packing Group III
Special Provisions 8, 146, 173, 335, IB3, T4, TP1, TP29
Description UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III,
Emergency Response Guide Number 171

TDG

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
Packing Group III
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethyltoluenediamine), 9, III

MEX

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
Packing Group III
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethyltoluenediamine), 9, III

ICAO (air)

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
Packing Group III
Special Provisions A97, A158
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethyltoluenediamine), 9, III

IATA

UN/ID no. UN3082

Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
Packing Group III
ERG Code 9L
Special Provisions A97, A158, A197
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethyltoluenediamine), 9, III

IMDG

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
Packing Group III
EmS-No. F-A, S-F
Special Provisions 274, 335
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethyltoluenediamine), 9, III

RID

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
Packing Group III
Classification code M6
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethyltoluenediamine), , 9, III

ADR

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
Packing Group III
Classification code M6
Tunnel restriction code (E)
Special Provisions 274, 335, 601, 375
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethyltoluenediamine), , 9, III, (E)
Labels 9

ADN

Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
Packing Group III
Classification code M6
Special Provisions 274, 335, 601
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Diethyltoluenediamine), , 9, III
Hazard label(s) 9
Limited quantity (LQ) 5 L

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL/NDSL Not Determined
EINECS/ELINCS Not Determined
ENCS Not Determined
IECSC Not Determined
KECL Not Determined
PICCS Not Determined

AICS Not Determined

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | SARA 313 - Threshold Values % |
|----------------|-------------------------------|
| Trade Secret - | 1.0 |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Trade Secret | 1000 lb | X | - | X |

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------|--------------------------|----------------|---|
| Trade Secret | 1000 lb | - | RQ 1000 lb final RQ RQ 454 kg final RQ |

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

| Chemical Name | California Proposition 65 |
|-------------------------------|---------------------------|
| Trade Secret - | Carcinogen |
| QUARTZ - 14808-60-7 | Carcinogen |
| Titanium Dioxide - 13463-67-7 | Carcinogen |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|----------------------|------------|---------------|--------------|
| Trade Secret | X | X | X |
| QUARTZ 14808-60-7 | X | X | X |
| Titanium Dioxide | X | X | X |

| | | | |
|------------|--|--|--|
| 13463-67-7 | | | |
|------------|--|--|--|

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|--------------------|------------------|----------------|--------------------|------------------------------------|
| <u>NFPA</u> | Health hazards 1 | Flammability 2 | Instability 1 | Physical and Chemical Properties - |
| <u>HMIS</u> | Health hazards 1 | Flammability 2 | Physical hazards 1 | Personal protection X |

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Disclaimer

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Revision Information Product and Company Identification: Converted to GAF SDS.