

## 1. IDENTIFICATION OF SUBSTANCE

|                         |  |  |
|-------------------------|--|--|
| PRODUCT FORM            | Mixture  |  |
| PRODUCT NAME            | Rugged Coatings Polyurea 203                                       |  |
| SUPPLIER IDENTIFICATION | Rugged Coatings<br>3217 Messer Airport Hwy<br>Birmingham, AL 35222 |  |
| EMERGENCY TELEPHONE     | (800) 424-9300<br>Chemtrec   |  |

## 2. HAZARD(S) IDENTIFICATION

### GHS RATINGS:

|                 |    |      |
|-----------------|----|------|
| Skin Corr       | 1C | H313 |
| Muta            | 2  | H341 |
| Aquatic Chronic | 1  | H410 |

### HAZARD STATEMENTS

|  |   |
|--|---|
| H302                                   | Harmful if swallowed  |
| H314                                   | Causes severe skin burns and eye damage   |
| H373                                   | May cause damage to organs through prolonged or repeated exposure   |
| <b>PRECAUTIONARY STATEMENTS</b>        |   |
| P260                                   | Do not breathe dust/fume/gas/mist/vapors/spray.   |
| P264                                   | Wash hands, forearms and face thoroughly after handling.  |
| P270                                   | Do not eat, drink or smoke when using this product.   |
| P280                                   | Wear protective gloves/protective clothing/eye protection/face protection.  |
| P301+P330+P331 - IF SWALLOWED:         | Call a POISON CENTER /doctor if you feel unwell.  |
| P303+P361+P353 - IF ON SKIN (or hair): | Take off immediately all contaminated clothing. Rinse skin with water/shower.   |
| P304+P340                              | IF INHALED: Remove person to fresh air and keep comfortable for breathing   |
| P305+P351+P338+P310 - IF IN EYES:      | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER/doctor. |
| P314                                   | Get medical advice/attention if you feel unwell.  |
| P363                                   | Wash contaminated clothing before reuse   |
| P405                                   | Store locked up.  |
| P501                                   | Dispose of contents/container in accordance with local/regional/national/international regulations.   |

## LABEL ELEMENTS

### PICTOGRAM



### SIGNAL WORD

Warning

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### MIXTURES

|  |                   |
|--|-------------------|
| Polyoxypropylenediamine<br>(CAS no.: 9046-10-0)      | 60 - 80% (weight) |
| Diethylmethylbenzenediamine<br>(CAS no.: 68479-98-1) | 15 - 40% (weight) |

## 4. FIRST-AID MEASURES

|                |  |
|----------------|--|
| GENERAL ADVICE | Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.  |
| IF INHALED     | If breathed in, move person into fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention.   |
| SKIN CONTACT   | Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Wash contaminated clothing before reuse.  |
| EYE CONTACT    | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.   |
| IF SWALLOWED   | Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. |



## 5. FIRE-FIGHTING MEASURES

### FIRE-FIGHTING MEASURES

|  |   |
|--|---|
| Suitable extinguishing media                 | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.                            |
| Specific hazards arising from the chemical   | Hazardous combustion products: Carbon oxides, nitrogen oxides, and other hazardous fumes and gases. |
| Special protective actions for fire-fighters | Wear self-contained breathing apparatus for firefighting if necessary.                              |

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protective equipment as described in Section 8. Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation.

Evacuate personnel to safe areas.

### ENVIRONMENTAL PRECAUTIONS

Do not release into the environment. Stop spill/release if it can be done safely.

### METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

|                         |   |
|-------------------------|---|
| For containment         | Contain spilled material if possible.   |
| Methods for cleaning up | Soak up with inert absorbent material and dispose of in accordance with local and national regulations. Keep in suitable containers for disposal. |

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Use personal protective equipment as described in Section 8. For precautions see section 2.2.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container tightly closed in a dry, cool, and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| CHEMICAL NAME / CAS NO.                                      | OSHA EXPOSURE LIMITS | ACGIH EXPOSURE LIMITS | OTHER EXPOSURE LIMITS |
|--|----------------------|-----------------------|-----------------------|
| Water (7732-18-5)  | Not Established      | Not Established       | Not Established       |
| calcium carbonate (471-34-1)                                 | Not Established      | Not Established       | Not Established       |
| titanium(IV) oxide (13463-67-7)                              | Not Established      | Not Established       | Not Established       |
| zinc oxide (1314-13-2)                                       | Not Established      | Not Established       | Not Established       |
| 1,2-propanediol (57-55-6)                                    | Not Established      | Not Established       | Not Established       |
| latex,liquid,synthetic                                       | Not Established      | Not Established       | Not Established       |
| polyethylenes (9002-88-4)                                    | Not Established      | Not Established       | Not Established       |
| 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4) | Not Established      | Not Established       | Not Established       |



## EXPOSURE CONTROLS

|                                       |   |
|---------------------------------------|---|
| APPROPRIATE ENGINEERING CONTROLS      | Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.   |
| <b>INDIVIDUAL PROTECTION MEASURES</b> |   |
| EYE/FACE PROTECTION                   | Safety glasses. If splash hazard, wear faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Ensure that eyewash stations and/or safety showers are close to the workstation location. |
| SKIN PROTECTION                       | Wear protective gloves.   |
| BODY PROTECTION                       | Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.   |
| RESPIRATORY PROTECTION                | Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).                             |
| ENVIRONMENTAL EXPOSURE CONTROLS       | Do not let product enter drains..   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

|                 |   |
|-----------------|---|
| Appearance/form | Onyx black, space gray, and tan liquid. |
| Odor            | Slight amine odor.                      |
| pH              | 9                                       |
| Density         | 8.4 lbs/gal                             |
| Viscosity       | 350-450 cP                              |

## 10. STABILITY AND REACTIVITY

### REACTIVITY

Stable under normal conditions.

### CHEMICAL STABILITY

Stable under normal storage conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS

No data available.

### CONDITIONS TO AVOID

Keep away from direct sunlight, heat and sources of ignition.

### INCOMPATIBLE MATERIALS

Strong oxidizing agents, strong acids, strong bases.

### HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous combustion products: Carbon oxides, nitrogen oxides, and other hazardous fumes and gases.

## 11. TOXICOLOGICAL INFORMATION

### POLYOXYPROPYLENEDIAMINE (CAS NO.: 9046-10-0)

|                         |                  |
|-------------------------|------------------|
| LD50 (oral) - rat       | 475 mg/kg        |
| LD50 (skin)             | 2173 mg/kg       |
| LC50 (inhalation) - rat | > 0.74 mg/l (8h) |

### DIETHYLMETHYLBENZENEDIAMINE (CAS NO.: 68479-98-1)

|                   |              |
|-------------------|--------------|
| LD50 (oral) - rat | 738 mg/kg    |
| LD50 (skin) - rat | > 2000 mg/kg |



## SKIN CORROSION/IRRITATION

Causes severe skin burns.

## SERIOUS EYE DAMAGE/IRRITATION

Causes serious eye damage.

LD50 dermal rabbit > 15200 mg/kg (Rabbit, Dermal)

ATE US (oral) 3200.000 mg/kg bodyweight

## CARCINOGENICITY

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## STOT-REPEATED EXPOSURE

May cause damage to organs through prolonged or repeated exposure.

## 12. ECOLOGICAL INFORMATION

### TOXICITY

No data available on product.

### PERSISTENCE AND DEGRADABILITY

No data available on product.

### BIOACCUMULATIVE POTENTIAL

No data available on product.

### MOBILITY IN SOIL

No data available.

### RESULTS OF PBT AND VPvB ASSESSMENT

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL OF THE PRODUCT

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

### DISPOSAL OF CONTAMINATED PACKAGING

Dispose of as unused product.



## 14. TRANSPORT INFORMATION

### DOT (US)

UN Number: 2735

Class: 8

Packing Group: III

Proper Shipping Name: Amines, liquid, corrosive, N.O.S. (Polyoxypropylenediamine)

### IMDG

UN Number: 2735

Class: 8

Packing Group: III

Proper Shipping Name: Amines, liquid, corrosive, N.O.S. (Polyoxypropylenediamine)

### IATA

UN Number: 2735

Class: 8

Packing Group: III

Proper Shipping Name: Amines, liquid, corrosive, N.O.S. (Polyoxypropylenediamine)

## 15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question.

### SARA 302 COMPONENTS

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 311/312 HAZARDS

Acute Health Hazard, Chronic Health Hazard

### SARA 313 COMPONENTS

## 16. OTHER INFORMATION

### SAFETY DATA SHEET ISSUED BY PRODUCT SAFETY DEPARTMENT

### FURTHER INFORMATION/DISCLAIMER

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Rugged Coatings. The data on these sheets relates only to the specific material designated herein. Rugged Coatings assumes no legal responsibility for use or reliance upon this data. It is the user's responsibility to ensure that their activities comply with federal, state, or local laws.