

# R NOVA PLUS

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 05/20/2015

Revision date: 05/20/2015

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : R NOVA PLUS  
Product code : L-RNP001

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Hybrid acrylic/urethane resin used in waterproofing existing aged modified bitumen and built-up roof membrane roof systems.

#### 1.3. Details of the supplier of the safety data sheet

Manufacturer:  
SOPREMA USA  
310 Quadral Dr.  
Wadsworth, OH 44281  
Tel: 1-800-356-3521

Distributors:  
SOPREMA Canada  
1675 Haggerty Street  
Drummondville (Quebec) J2C 5P7  
Tel: 1-819-478-8163

SOPREMA Canada  
44955 Yale Road West  
Chilliwack (BC) V2R 4H3  
CANADA  
Tel: 1-604-793-7100

SOPREMA USA  
12251 Seaway Road  
Gulfport (Mississippi) 39507  
UNITED STATES  
Tel: 1-228-701-1900

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-434-9300 (Acct.# CCN20515). CANUTEC 1-613-996-6666

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Not classified

#### 2.2. Label elements

##### GHS-US labeling

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P280 - Wear nitrile gloves and safety glasses  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P405 - Store locked up  
P501 - Dispose of container in accordance with local, regional or national regulations

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

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### 3.2. Mixture

| Name             | Product identifier  | %     | Classification (GHS-US) |
|------------------|---------------------|-------|-------------------------|
| Titanium dioxide | (CAS No) 13463-67-7 | 1 - 5 |                         |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation   | : Assure fresh air breathing. Allow the victim to rest.                                                                           |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.                 |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.                          |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.                                                        |

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

|                                |                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.                                                                   |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

|                      |                                   |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

#### 6.1.2. For emergency responders

|                      |                                              |
|----------------------|----------------------------------------------|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.                            |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

|                         |                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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### 7.2. Conditions for safe storage, including any incompatibilities

|                        |                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Storage conditions     | : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. |
| Incompatible products  | : Strong bases. Strong acids.                                                                                             |
| Incompatible materials | : Sources of ignition.                                                                                                    |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Titanium dioxide (13463-67-7) |                                     |                      |
|-------------------------------|-------------------------------------|----------------------|
| USA ACGIH                     | ACGIH TWA (mg/m <sup>3</sup> )      | 1 mg/m <sup>3</sup>  |
| USA ACGIH                     | Remark (ACGIH)                      | LRT irr; A3          |
| USA OSHA                      | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 15 mg/m <sup>3</sup> |

### 8.2. Exposure controls

|                               |                                          |
|-------------------------------|------------------------------------------|
| Personal protective equipment | : Avoid all unnecessary exposure.        |
| Hand protection               | : Wear nitrile gloves.                   |
| Eye protection                | : Chemical goggles or safety glasses.    |
| Respiratory protection        | : Wear appropriate mask.                 |
| Other information             | : Do not eat, drink or smoke during use. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                             |                                                                                                                                |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Physical state                              | : Liquid                                                                                                                       |
| Color                                       | : Blue;White                                                                                                                   |
| Odor                                        | : characteristic                                                                                                               |
| Odor threshold                              | : No data available                                                                                                            |
| pH                                          | : No data available                                                                                                            |
| Relative evaporation rate (butyl acetate=1) | : No data available                                                                                                            |
| Melting point                               | : No data available                                                                                                            |
| Freezing point                              | : No data available                                                                                                            |
| Boiling point                               | : No data available                                                                                                            |
| Flash point                                 | : >200°F (93.4°C)                                                                                                              |
| Auto-ignition temperature                   | : No data available                                                                                                            |
| Decomposition temperature                   | : No data available                                                                                                            |
| Flammability (solid, gas)                   | : No data available                                                                                                            |
| Vapor pressure                              | : No data available                                                                                                            |
| Relative vapor density at 20 °C             | : No data available                                                                                                            |
| Specific Gravity                            | : No data available                                                                                                            |
| Density                                     | : ≈ 1.3 g/cm <sup>3</sup>                                                                                                      |
| Solubility                                  | : Water: Solubility in water of component(s) of the mixture :<br>• : < 0.01 g/100ml • : 0.15 g/100ml • : 0.090 g/100ml • : • : |
| Log Pow                                     | : No data available                                                                                                            |
| Log Kow                                     | : No data available                                                                                                            |
| Viscosity, kinematic                        | : No data available                                                                                                            |
| Viscosity, dynamic                          | : No data available                                                                                                            |
| Explosive properties                        | : No data available                                                                                                            |
| Oxidizing properties                        | : No data available                                                                                                            |
| Explosive limits                            | : No data available                                                                                                            |

### 9.2. Other information

|             |              |
|-------------|--------------|
| VOC content | : ≈ 0.35 g/l |
|-------------|--------------|

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

No additional information available

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Titanium dioxide (13463-67-7) |                                                                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat                 | > 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value) |
| LD50 dermal rabbit            | > 10000 mg/kg (Rabbit; Experimental value)                                                                                                      |
| LC50 inhalation rat (mg/l)    | > 6.8 mg/l/4h (Rat; Experimental value)                                                                                                         |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

| Titanium dioxide (13463-67-7) |                                      |
|-------------------------------|--------------------------------------|
| IARC group                    | 2B - Possibly carcinogenic to humans |

Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified  
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1. Toxicity

| Titanium dioxide (13463-67-7) |                                                   |
|-------------------------------|---------------------------------------------------|
| LC50 fish 1                   | > 1000 mg/l (96 h; Pimephales promelas)           |
| EC50 Daphnia 1                | < 1000 mg/l (432 h; Daphnia magna; Static system) |
| LC50 fish 2                   | > 1 g/l (96 h; Leuciscus idus)                    |
| EC50 Daphnia 2                | < 500 mg/l (720 h; Daphnia magna; Static system)  |
| Threshold limit algae 1       | 61 mg/l (72 h; Pseudokirchneriella subcapitata)   |

#### 12.2. Persistence and degradability

| R NOVA PLUS                   |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

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| Titanium dioxide (13463-67-7)   |                                                                                        |
|---------------------------------|----------------------------------------------------------------------------------------|
| Persistence and degradability   | Biodegradability: not applicable. Low potential for mobility in soil. Not established. |
| Biochemical oxygen demand (BOD) | Not applicable                                                                         |
| Chemical oxygen demand (COD)    | Not applicable                                                                         |
| ThOD                            | Not applicable                                                                         |
| BOD (% of ThOD)                 | Not applicable                                                                         |

### 12.3. Bioaccumulative potential

| R NOVA PLUS               |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Titanium dioxide (13463-67-7) |                                       |
|-------------------------------|---------------------------------------|
| Bioaccumulative potential     | Not bioaccumulative. Not established. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

|                              |                                                      |
|------------------------------|------------------------------------------------------|
| Effect on ozone layer        | : No additional information available                |
| Effect on the global warming | : No known ecological damage caused by this product. |
| Other information            | : Avoid release to the environment.                  |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                |                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of container in accordance with local, regional or national regulations. |
| Ecology - waste materials      | : Avoid release to the environment.                                                                                                                        |

## SECTION 14: Transport information

In accordance with DOT  
Not regulated for transport

### Additional information

|                   |                                           |
|-------------------|-------------------------------------------|
| Other information | : No supplementary information available. |
|-------------------|-------------------------------------------|

### ADR

|                                |   |
|--------------------------------|---|
| Transport document description | : |
|--------------------------------|---|

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

| R NOVA PLUS                                                                   |  |
|-------------------------------------------------------------------------------|--|
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |  |

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

#### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

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### 15.2.2. National regulations

No additional information available

### 15.3. US State regulations

#### Titanium dioxide (13463-67-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Revision date : 5/20/2015 12:00:00 AM

Other information : None.

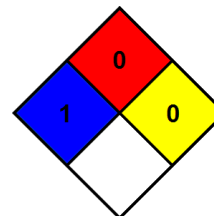
Full text of H-phrases: see section 16:

|         |                             |
|---------|-----------------------------|
| Carc. 2 | Carcinogenicity Category 2  |
| H351    | Suspected of causing cancer |

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012)

*This SDS contains all the information required by ANSI Z400.1 standard (United States), by regulation 29 CFR Part 1910-1200 of the Hazard Communication Standard of OSHA and is in accordance with DORS/88-66 of WHMIS (Canada).*

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