



# MATERIAL SAFETY DATA SHEET

## 'R' NOVA T24

HMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS								
<table border="1"> <tr><td>1</td><td>HEALTH</td></tr> <tr><td>0</td><td>FLAMMABILITY</td></tr> <tr><td>0</td><td>REACTIVITY</td></tr> <tr><td>G</td><td>PROTECTIVE EQUIPMENT</td></tr> </table>	1	HEALTH	0	FLAMMABILITY	0	REACTIVITY	G	PROTECTIVE EQUIPMENT		<p style="text-align: center;"><b>NOT REGULATED</b></p>
1	HEALTH									
0	FLAMMABILITY									
0	REACTIVITY									
G	PROTECTIVE EQUIPMENT									

### SECTION II. CHEMICAL PRODUCT AND COMPANY INFORMATION

<b>Product name:</b>	'R' Nova T24
<b>Use:</b>	White acrylic roof coating
<b>Manufacturer:</b>	Soprema, Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES
<b>In case of emergency:</b>	SOPREMA (8:00am to 5:00pm - Eastern time): (800) 356-3521 CHEMTREC (USA) (24h.): (800) 424-9300 International: (703) 527-3887

**SECTION II. COMPOSITION AND INFORMATION ON INGREDIENTS**

Component	CAS#	% by weight
Acrylic polymer	Not hazardous	44.8 min.
Titanium dioxide	13463-67-7	____
Calcium carbonate	1317-65-7	____
Fused silica	60676-86-0	____
Silicates	Mixture	____
Propylene glycol	57-55-6	10.0 max.
Water	7732-18-5	45.0 max.
Ammonia	7665-41-7	0.1 max.
Residual monomer(s)	Not required	0.1 max.

NOTE: the -|- in the WEIGHT (%) column is used to denote two or more components whose weight percents sum to the total shown by the figure either to the right of, or immediately above the -|-.

**SECTION III. POTENTIAL HEALTH EFFECTS***Effects of Short-Term (Acute) Exposure***INHALATION:**

Inhalation of vapor or mist can cause the following: irritation of nose, throat and lungs, headache, nausea

**SKIN CONTACT:**

Prolonged or repeated skin contact can cause the following: irritation, if not promptly washed from skin

**EYE CONTACT:**

Moderate irritation

**INGESTION:**

Consult a physician.

**NOTES TO PHYSICIAN:**

Toxicology studies of similar materials have shown the material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of the symptoms and clinical condition.

**SECTION IV. FIRST AID MEASURES**

SKIN	Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists. Wash contaminated clothing thoroughly before reuse. Do not take clothing home to be laundered.
EYES	Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.
INHALATION	Move subject to fresh air.
INGESTION	If swallowed, give 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Consult a physician.

**SECTION V. FIRE-FIGHTING MEASURES**

Flash point	Noncombustible
Auto-ignition temperature	Not applicable
Lower explosive limit	Not applicable
Upper explosive limit	Not applicable
Unusual hazards	Material can splatter at 212 °F (100 °C). Dried product can burn.
Extinguishing media	Use extinguishing media appropriate for surrounding fire.
Personal protective equipment	As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.
Special fire fighting procedures	Use water spray to cool containers exposed to fire.

## SECTION VI. ACCIDENTAL RELEASE MEASURES

### PERSONAL PROTECTION

Appropriate protective equipment must be worn when handling a spill of this material. See *SECTION VIII, Exposure Controls/Personal Protection*, for recommendations. If exposed to material during clean-up operations, see *SECTION IV, First Aid Measures*, for actions to follow.

### PROCEDURES

Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

**CAUTION:** Keep spills and runoff out of municipal sewers and open bodies of water.

## SECTION VII. HANDLING AND STORAGE

### HANDLING:

Do not handle material near food, feed, or drinking water.

### STORAGE:

The minimum recommended storage temperature for this material is 1C/34F. The maximum recommended storage temperature is 60C/140F. Keep from freezing; material may coagulate. Do not store this material near food, feed or drinking water.

## SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>HANDS</b>	<p>Chemical-resistant gloves should be worn whenever this material is handled. The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection:</p> <ul style="list-style-type: none"><li>- Nitrile</li><li>- Polyvinyl chloride</li><li>- Neoprene</li></ul> <p>Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water.</p>
<b>RESPIRATORY</b>	<p>None required if airborne concentrations are maintained below the exposure limit listed in 'Exposure Limit Information'. A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.</p> <p>Up to 1000 ppm organic vapor: Wear a MSHA/NIOSH approved (or equivalent) half-mask, air-purifying respirator.</p> <p>Above 1000 ppm organic vapor or Unknown: Wear a MSHA/NIOSH approved (or equivalent) self-contained breathing apparatus in the positive pressure mode —OR— MSHA/NIOSH approved (or equivalent) full-face-piece airline respirator in the positive pressure mode with emergency escape provisions.</p> <p>Air-purifying respirators should be equipped with an ammonia/methylamine cartridge. Air-purifying respirators should be equipped with MSHA/NIOSH approved (or equivalent) cartridges for protection against organic vapors and filters for protection against dusts and mists.</p>
<b>EYES</b>	<p>Use chemical splash goggles (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed.</p>
<b>ENGINEERING CONTROLS</b>	<p>Exterior-use product. Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec) at the point of vapor evolution.</p>
<b>OTHER PROTECTIVE EQUIPMENT</b>	<p>Facilities storing or utilizing this material should be equipped with an eyewash facility.</p>

Exposure limit information							
Component	CAS#	% by weight	Comp	OSHA		ACGIH	
			NoUnits	TWA	STEL	TWA	STEL
Acrylic polymer	Not hazardous	44.8 min.		None	None	None	None
Titanium dioxide	13463-67-7	___	mg/m <sup>3</sup>	10 b	None	10 b	None
Calcium carbonate	1317-65-7	___	mg/m <sup>3</sup>	5 a	None	10 b	None
Fused silica	60676-86-0	___	mg/m <sup>3</sup>	0.1a	None	0.1a	None
Silicates	Mixture	___		None	None	None	None
Propylene glycol	57-55-6	10.0 max.	mg/m <sup>3</sup>	None	None	100c	None
Water	7732-18-5	45.0 max.		None	None	None	None
Ammonia	7665-41-7	0.1 max.	ppm	None	35	25	35
Residual monomer(s)	Not required	0.1 max.		None	None	None	None

a - Respirable Fraction; b - Total Dust; c - Ceiling

NOTE: the -| - in the WEIGHT (%) column is used to denote two or more components whose weight percents sum to the total shown by the figure either to the right of, or immediately above the -| -.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES	
<b>PHYSICAL FORM</b>	Liquid
<b>COLOR</b>	White
<b>ODOR</b>	Ammonia odor
<b>SPECIFIC GRAVITY (water = 1)</b>	> 1
<b>VAPOR DENSITY (air = 1)</b>	> 1
<b>BOILING POINT</b>	Variable
<b>MELTING POINT</b>	Variable
<b>VAPOR PRESSURE</b>	17mm Hg@68 °F (20 °C) water
<b>SOLUBILITY IN WATER</b>	Dilutable
<b>PERCENT VOLATILITY</b>	45% maximum
<b>EVAPORATION RATE (BAc = 1)</b>	< 1

SECTION X. STABILITY AND REACTIVITY	
<b>STABILITY:</b>	Stable
<b>INCOMPATIBILITY:</b>	There are no known materials that are incompatible with this product.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Thermal decomposition may yield the following: acrylic monomers
<b>HAZARDOUS POLYMERIZATION:</b>	Product will not undergo polymerization

SECTION XI. TOXICOLOGICAL INFORMATION	
<b>ACUTE DATA</b>	No toxicity data is available for this material.
The information shown in <i>SECTION III, Potential Health Effects</i> , is based on toxicity profiles of similar materials or on the components present in this material.	

## SECTION XII. ECOLOGICAL INFORMATION

### Environmental effects:

No applicable data

## SECTION XIII. DISPOSAL CONSIDERATIONS

### Waste disposal:

Incinerate liquid and contaminated solids in accordance with Federal, State or Local regulations.

## SECTION XIV. TRANSPORTATION INFORMATION

US DOT Hazard Class: NOT REGULATED

## SECTION XV. REGULATORY INFORMATION

### WORKPLACE CLASSIFICATION

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

This product is a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

### CERCLA INFORMATION (40CFR 302.4)

Releases of this material to air, land or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA), Title III, Section 304.

### WASTE CLASSIFICATION

When a decision is made to discard this mater as supplied, it is classified as RCRA non-hazardous waste.

## SECTION XVI. OTHER INFORMATION

### Glossary:

ACGIH: American Conference of Governmental Industrial Hygienists

ANSI: American National Standards Institute

ASTM: American Society for Testing and Materials

CAS: Chemical Abstract Services

CFR: Code of Federal Regulations (United States)

CSA: Canadian Standardisation Association

DOT: Department of Transportation (United States)

DSL: Domestic Substances List (Canada)

EPA: Environmental Protection Agency (United States)

HMIS: Hazardous Material Information System

IARC: International Agency for Research on Cancer

LC50: (Lethal concentration<sub>50</sub>) Concentration of a substance in air that causes dead of 50% mortality of a defined animal population

LD50: (Lethal dose<sub>50</sub>) Single dose of a substance that, when administrated by a define route in an animal assay, is expected to cause the death of 50% of a defined animal population.

NFPA: National Fire Protection Association (United States)

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety & Health Administration (United States)

PEL: Permissible Exposure Limit

RCRA: Resource Conservation and Recovery Act (United States)

RTECS: Registry of Toxic Effects of Chemical Substances

TDG: Transportation of Dangerous Goods

TLV: Threshold Limit Value

TWA: Time-weighted average

TSCA: Toxic Substances Control Act (United States)

WHMIS: Workplace Hazardous Materials Information System (Canada)

**SECTION XVI. OTHER INFORMATION**

**Reference:**

Supplier MSDS

This MSDS has been prepared by: SOPREMA, INC.

For information: 800-543-3085

The Material Safety Data Sheets of SOPREMA are available on Internet at the following site: [HTTP://WWW.SOPREMA.US](http://www.soprema.us)

**Justification of the update:**

New MSDS.

This MSDS contains all the information required by ANSI Z-400.1-1998 standard (United States), by regulation 29 CFR Part 1910.1200 of the Hazard Communication Standard of OSHA, and is in accordance with standard DORS/88-66 OF WHMIS Canada.

**To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**