

**MATERIAL SAFETY DATA SHEET
RHINO TOP SMOOTH (ALL BASES)**

PRODUCT NAME: RHINO TOP SMOOTH
PRODUCT CODE: RT-S-W, RT-S-TB, RT-S-D, RT-S-A

===== **SECTION I - COMPANY IDENTIFICATION** =====

DISTRIBUTED BY: The Rot Doctor
PO BOX 30612
Seattle, WA, 98113
(206)364-2155

FOR CHEMICAL EMERGENCY
Spill, Leak, Fire, Exposure or Accident
CALL INFOTRAC - Day or Night
1-800-535-5053
Outside the United States call Collect
1-352-323-3500

MSDS REVISED: March 2008

===== **SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

Reportable Components	CAS Number	MM HG @ Temp	Weight %	RT-S-W	RT-S-A
BASES					
Ingredients listed below are contained within the listed ranges.					
~					
Acrylic Copolymer Emulsion	Mixture	22.67 68F/20C	18		20
Contains: 0.0-0.1% Aqua Ammonia, CAS#1336-21-6, Manufacturer's suggested guidelines: TWA: 25ppm, STEL: 35ppm.					
~					
Acrylic Polymer	Mixture	17 20C/68F	18		20
Contains: <=0.2% Aqua Ammonia, CAS #1336-21-6, Manufacturer's suggested guidelines: TWA: 25ppm, STEL: 35ppm.					
~					
Titanium dioxide	13463-67-7	N/A N/A	20		0
Contains: Titanium dioxide, CAS#13463-67-7, ACGIH TLV TWA: 10mg/m3, total dust, OSHA PEL TWA: 15mg/m3, total dust. Aluminum hydroxide, CAS#21645-51-2, no exposure limits established. Note: Titanium Dioxide has been classified in accordance with hazard criteria of the Controlled Product Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS: D2A-Very toxic material causing other toxic effects.					
~					
Nepheline syenite, various grades.	37244-96-5	N/A N/A	9		8
No exposure limits have been established for this material.					
~					
EPOXY DISPERSION	MIXTURE	N/A N/A	3		3
MANUFACTURER HOLDS CHEMICAL IDENTITY CONFIDENTIAL. NO OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THIS CHEMICAL COMPONENT.					
* Diethylene glycol monobutyl ether	112-34-5	0.02 77F/20C	2		2
No exposure limits have been established. Dow industrial hygiene suggests: 35ppm, TWA					

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

Indicates carcinogenic chemical.

NOTE: If tinted may contain Carbon Black CAS#1333-86-4 AND/OR Crystalline Silica CAS#14808-60-7. If tinted DARK GRAY or BLACK consider these levels to be reportable.

This MSDS may be used for other colors and container sizes of this product.

MATERIAL SAFETY DATA SHEET
RHINO TOP SMOOTH (ALL BASES)

===== **SECTION 3 - HAZARDS IDENTIFICATION** =====

Potential Health Effects Eyes: Contact with product or exposure to vapor may cause mild to moderate eye irritation.

Skin: Contact causes moderate skin irritation. Causes drying of the skin.

Ingestion: While this material has a low degree of toxicity, ingestion of large quantities may cause irritation of the digestive tract.

Inhalation: May cause irritation of the respiratory tract. Coughing and chest pain may result as well as shortness of breath and reduced pulmonary function.

===== **SECTION 4 - FIRST AID MEASURES** =====

Eyes: Immediately flush with copious amounts of water for at least 15 minutes. If redness, itching, or burning sensations persist consult a physician or ophthalmologist immediately.

Skin: Immediately wash skin with a generous amount of soap and water. Remove contaminated clothing and shoes and wash before reuse. If irritation persists consult a physician.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician immediately.

Inhalation: Remove from source of exposure and into fresh air. If symptoms persist consult a physician immediately. If not breathing, give artificial respiration and call emergency medical services immediately.

Note to Physician: No specific antidote. Supportive care, treatment based on judgment of the physician in response to reactions of the patient.

===== **SECTION 5 - FIRE FIGHTING MEASURES** =====

Flammable Properties

Flash Point: 22OF/104.4C

Lower Flammable Limits: 0.85

Upper Flammable Limit: 24.6

Auto Ignition Temperature: N/A

Extinguishing Media: Foam, CO2, dry chemical, water fog or spray, as appropriate for surrounding fire.

Special Fire Fighting Procedures: Do not enter any enclosed or confined fire space without full protective equipment, including self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) to protect against the hazardous effects of combustion products and oxygen deficiency.

===== **SECTION 6 - ACCIDENTAL RELEASE MEASURES** =====

Small Spill: Stop spill at source. Pick up with mop and shovel. Rinse well with water.

Large Spill: Wear skin, eye & respiratory protection during clean-up. Evacuate area of all non-essential personnel. Ventilate spill area. Dike, and contain and/or absorb with inert material (sand, earth or other suitable material) to prevent entry into storm drains, sewers and other unauthorized treatment/drainage systems and natural waterways. Scoop up and place in approved containers for proper disposal. Cover with lid. If spill occurs near air inlets or inside, turn off heating or air-conditioning equipment to prevent contaminating building.

MATERIAL SAFETY DATA SHEET
RHINO TOP SMOOTH (ALL BASES)

===== **SECTION 7 - HANDLING AND STORAGE** =====

Handling & Storage: Keep from freezing. Keep container cool and dry. Use and store this product with adequate ventilation. Keep product containers tightly closed when not in use. Avoid subjecting this product to extreme temperature variations.

Other Precautions: Avoid skin or eye contact. Avoid prolonged or repeated breathing of vapors and mists. If spilled on clothing, launder before reuse. Do not take internally. Use only in a well ventilated area. Keep out of the reach of children.

===== **SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION** =====

Engineering Controls: In outside spray, mixing and rolling applications situate workers upwind of operation & provide airflow in a downwind direction so as to carry fumes and residual spray away from workers. Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Respiratory Protection: Wear a NIOSH approved respirator appropriate for the vapor or mist concentration at the point of use. Appropriate respirators may be a full-face piece or a half mask air-purifying cartridge respirator equipped for organic vapors/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator. Refer to OSHA standard 29 CFR 1910.134 for additional information.

Skin Protection: The use of nitrile rubber gloves is advised to prevent skin contact and possible irritation.

Eye Protection: Safety glasses with side shields

===== **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES** =====

Boiling Range: 100C/212F - 441F/227.2C

Melting Point: N/A

Specific Gravity(H₂O=1): 1.2645

Vapor Density(Air=1): N/A

Vapor Pressure: 17mm Hg @ 20C/68F Water

Evaporation Rate(N-Butyl Acetate=1) : Slower than ether

Coating V.O.C.: 1.12 lb/gl

Coating V.O.C.: 134 g/l

Material V.O.C.: 0.44 lb/gl

Material V.O.C.: 53 g/l

Solubility in Water: Soluble

Appearance: PIGMENTED, VISCOUS.

Odor: FAINT AMMONIACAL ODOR.

pH: 8.0

===== **SECTION 10 - STABILITY & REACTIVITY DATA** =====

Stability: Stable

Conditions To Avoid: Extremely hot or cold temperatures

Incompatible Materials: Avoid contact with strong acids and strong oxidizing materials.

Hazardous Decomposition Products Thermal decomposition may yield carbon monoxide and carbon dioxide. Unidentified organic compounds in fumes and smoke may be formed during combustion.

Hazardous Polymerization: Not expected to occur

MATERIAL SAFETY DATA SHEET
RHINO TOP SMOOTH (ALL BASES)

===== **SECTION 11 - TOXICOLOGICAL INFORMATION** =====

*Data is for individual components of preparation.

Materials having a known chronic/acute effects on eyes:

DIETHYLENE GLYCOL MONBUTYL ETHER CAS#112-34-5
RABBIT: MODERATE

Materials having a known dermal toxicity.

DIETHYLENE GLYCOL MONBUTYL ETHER CAS#112-34-5
SKIN IRRITATION-RABBIT: SLIGHT
SKIN IRRITATION-GUINEA PIG: SLIGHT
DERMAL LD-50 (RABBIT): 2764MG/KG

Materials having a known oral toxicity.

DIETHYLENE GLYCOL MONBUTYL ETHER CAS#112-34-5
ORAL LD-50 (RAT): 7292 MG/KG.
ORAL LD-50 (MOUSE): 2406 MG/KG.
TITANIUM DIOXIDE CAS#13463-67-7
Oral LD50 (rat) >25 g/kg

Materials having a known Inhalation hazard:

TITANIUM DIOXIDE CAS#13463-67-7 LC50 (rat)>6.82 mg/l(4 hr)

Identified Acute/ Short-term Effects: Headache, nausea, abdominal pain and irritation of the nose, throat and lungs. Skin and eye irritation.

Identified Carcinogens/Longterm Effects: Product ingredients are at or less than de minimis levels or are not considered to be carcinogens by the international agency for research on cancer (IARC), the national toxicology program (NTP) or by the occupational safety and health administration (OSHA).

Identified Teratogens: INFORMATION BASED ON THE TOXICITY PROFILES FOR DIETHYLENE GLYCOL MONOBUTYL ETHER.CAS#112-34-5 DERMAL STUDY (RABBIT): NOEL FOR MATERNAL TOXICITY = 1000 MG/KG/DAY (HIGHEST DOSE TESTED); NOEL FOR DEVELOPMENTAL TOXICITY = 1000 MG/KG/DAY (HIGHEST DOSE TESTED).
ORAL STUDY (RAT): LOEL FOR MATERNAL TOXICITY = 5MG/KG; NOEL FOR MATERNAL TOXICITY = NOT ESTABLISHED; NOEL FOR DEVELOPMENTAL TOXICITY = 633 MG/KG/DAY (HIGHEST DOSE TESTED).

Identified Reproductive toxins : INFORMATION BASED ON THE TOXICITY PROFILES FOR DIETHYLENE GLYCOL MONOBUTYL ETHER.CAS#112-34-5DERMAL STUDY (13-WEEK, RAT): NOEL FOR MATERNAL/PATERNAL TOXICITY = 2 MG/KG/DAY (HIGHEST DOSE TESTED); NOEL FOR MATERNAL/PATERNAL FERTILITY = 2 MG/KG/DAY (HIGHEST DOSE TESTED); NOEL FOR DEVELOPMENTAL TOXICITY = 2 MG/KG/DAY (HIGHEST DOSE TESTED. ORAL STUDY (RAT): NOEL FOR MATERNAL/PATERNAL FERTILITY = 1000 MG/KG/DAY (HIGHEST DOSE TESTED); NOAEL FOR EMBRYO/FERTOTOXICITY = 1000 MG/KG/DAY.

Identified Mutagens: NO DATA.

MATERIAL SAFETY DATA SHEET
RHINO TOP SMOOTH (ALL BASES)

===== **SECTION 12 - ECOLOGICAL INFORMATION** =====

Ecotoxicological effects on plants and animals:

DIETHYLENE GLYCOL MONOBUTYL ETHER CAS#112-34-5:

OXYGEN DEMAND COD: 2.08g OXYGEN/g

BOD-5: 0.25g OXYGEN/g.

ACUTE AQUATIC EFFECTS DATA:

24HR LC-50 (GOLDFISH): 2700MG/L

96HR LC-50 (BLUEGILL SUNFISH): 1300 MG/L.

Titanium Dioxide CAS#13463-67-7 96 Hr LC50 (Fathead minnows)>1,000 mg/l

Chemical Fate : In outside spray, mixing and rolling applications situate workers upwind of operation & provide airflow in a downwind direction so as to carry fumes and residual spray away from workers. Local exhaust ventilation recommended if generating vapor, dust or mist. Turn off heating and/or air conditioning equipment to prevent contaminating building. If exhaust ventilation is not adequate, use MSHA or NIOSH approved respirator. Refer to OSHA standard 29 CFR 1910.94 for guidelines.

===== **SECTION 13 - DISPOSAL CONSIDERATIONS** =====

Instructions: Whatever cannot be saved for reuse should be transferred to an appropriate and approved waste disposal facility. Consult appropriate national, state and local regulatory agencies to ascertain proper disposal procedures.

===== **SECTION 14 - TRANSPORT INFORMATION** =====

Shipping Information:

DOT INFORMATION - 49 CFR 172.101

DOT DESCRIPTION: NOT REGULATED

MATERIAL SAFETY DATA SHEET
RHINO TOP SMOOTH (ALL BASES)

===== **SECTION 15 - REGULATORY INFORMATION** =====
(Not meant to be all inclusive-selected regulations represented)

US Regulations: Status Of Substances Lists: The Concentrations Shown In Section II Are Maximum Ceiling Levels (Weight %) to be used for calculations for regulations. A reportable quantity is a quantity of a hazardous substance that triggers reporting requirements under the Comprehensive Environmental Response Compensation And Liability Act (CERCLA). If a spill of a substance exceeds it's reportable quantity (RQ) in CFR 302.3, Table 40 302.4 Appendix A & 302.4 Appendix B, the release must be reported to The National Response Center At (800) 424-8802, The State Emergency Response Commission (SERC), And community emergency coordinators likely to be affected.

Components present that could require reporting under the statute are: NONE KNOWN

Superfund Amendments And Reauthorization Act Of 1986 (SARA) Title III Requires emergency planning based on the Threshold Quantities (TPQ'S) and release reporting based on Reportable Quantities (RQ'S) In 40 CFR 355 Appendix A&B Extremely Hazardous Substances. The emergency planning and release requirements of 40 CFR 355 apply to any facility at which there is present any amount of any extremely hazardous substance (EHS) equal to or in excess of it's Threshold Planning Quantity (TPQ).

Components present that could require reporting under the statute are: NONE KNOWN

EPCRA 40 CFR 372 (Section 313) Requires EPA and the States to annually collect data on releases of certain toxic materials from industrial facilities, and make the data available to the public in the Toxics Release Inventory (TRI). This information must be included in all MSDS'S that are copied and distributed or compiled for this material. Reporting Threshold: Standard: A facility must report if it manufactures (including imports) or processes 25,000 pounds or more or otherwise uses 10,000 pounds or more of a listed toxic chemical during the calendar year.

Components present that could require reporting under the statute are: See Section II

The components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) chemical substance inventory. Mixtures shall be assumed to present the same health hazards as do the components which comprise one percent (by weight or volume) or greater of the mixture, except that the mixture shall be assumed to present a carcinogenic hazard if it has a component in concentrations of 0.1 percent or greater. The remaining percentage of unspecified ingredients, if any, are not contained in above DeMinimis concentrations and/or are believed to be non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200), and may consist of pigments, fillers, defoamers, wetting agents, resins, dryers, anti-bacterial agents, water and/or solvents in varying concentrations.

International Regulations:

Canadian WHMIS: This Product Contains the following in recordable amounts:

Titanium Dioxide CAS#13463-67-7

WHMIS Classification: D2A

WHMIS Health Effects Criteria Met by this Chemical:

Very toxic material causing other toxic effects

This MSDS covers multiple bases of the same product line. Certain bases do not contain Titanium Dioxide. Please check Section 2 for details on contents.

Canadian Environmental Protection Act (CEPA): All of the components of this product are exempt or listed on the DSL/NDSL. See Section II For Composition/Information on Ingredients.

EINECS: All of the components of this product are listed in the EINECS inventory or are exempt from notification requirements.

MATERIAL SAFETY DATA SHEET
RHINO TOP SMOOTH (ALL BASES)

State Regulations:

California: California Proposition 65: The following Statement is made in order to comply with The California Safe Drinking Water and Toxic Enforcement Act of 1986
"WARNING: This product contains the chemical(s) appearing below known to the State of California to:
A: Cause Cancer NONE KNOWN
*If tinted contains Carbon Black: CAS#1333-86-4 and may also contain trace amounts of Crystalline Silica: CAS#14808-60-7
B: Cause Birth Defects or other Reproductive Harm : NONE KNOWN
In addition to the above named chemical(s) (if any), this product may contain trace amounts of chemicals, known to the State of California, to cause Cancer or Birth Defects and other Reproductive Harm

Delaware: NONE KNOWN

Florida: NONE KNOWN

Idaho: NONE KNOWN

Massachusetts: Titanium Dioxide CAS#13463-67-7 SUBSTANCE CODES:4

Michigan: NONE KNOWN

Minnesota: Titanium Dioxide CAS#13463-67-7
Listed In The Minnesota Hazardous Substances List:
Codes: A
Hazards: --
Carcinogen? NO

New Jersey: NONE KNOWN

New York: NONE KNOWN

Pennsylvania: Titanium Dioxide CAS#13463-67-7 CODE:--

Washington: Titanium Dioxide (Total Dust) CAS#13463-67-7
Washington Air Contaminant: ppm mg/Cubic Meter
TWA UNK 10
STEL UNK UNK
CEILING UNK UNK
SKIN: UNK

Wisconsin: NONE KNOWN

West Virginia: NONE KNOWN

MATERIAL SAFETY DATA SHEET
RHINO TOP SMOOTH (ALL BASES)

===== **SECTION 16 - OTHER INFORMATION** =====

HMIS® III

Health : 2

Flammability : 0

Physical Hazard : 0

*Following Health rating Indicates Chronic/Carcinogenic Effects

HMIS® III Personal Protection : I

This rating is for the product as it is packaged. This rating will need to be adjusted by the user based on conditions of use.

The information contained herein relates only to the specific material identified. The manufacture believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. To assure proper use & disposal of these materials & the safety & health of employees & customers, the manufacture urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.