

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product identifier RHINO TOP SMOOTH COATING
Other means of identification
Product Code
Recommended use Coating
Distributed by The Rot Doctor
P.O. BOX 30612
Seattle, WA 98113
(206)364-2155

FOR CHEMICAL EMERGENCY **CALL INFOTRAC** - Day or Night **1-800-535-5053**
Spill, Leak, Fire, Exposure or Accident Outside the United States call Collect 1-352-323-3500
Date of Revision: 11-07-2017

SECTION 2 - HAZARD(S) IDENTIFICATION

Physical hazards Not classified.
Health hazards Carcinogenicity Category 1A
Environmental hazards Hazardous to the aquatic environment, acute hazard Category 2
OSHA defined hazards Not classified.
Label elements



Signal Word Danger
Hazard statement May cause cancer. Harmful to aquatic life.
Precautionary statement
Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response If exposed or concerned: Get medical advice/attention.
Storage Store locked up.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC) None known.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS number</u>	<u>%</u>
Crystalline Silica - Quartz		14808-60-7	10 to <20
MONOAZO PIGMENT		13463-67-7	10 to <20

Chemical name	Common name and synonyms	CAS number	%
AMORPHOUS SILICA, SILICON DIOXIDE		7631-86-9	1 to <5
Diethylene Glycol Monobutyl Ether		112-34-5	1 to <5
Ammonium Hydroxide 20-30%		1336-21-6	0.1 to <1
CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER		10605-21-7	0.1 to <1
PARAFFINIC PETROLEUM OIL		64742-54-7	0.1 to <1
Non-Hazardous Ingredients			70 to <80

SECTION 4 - FIRST AID MEASURES

Inhalation	Not available.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages
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cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Ammonium Hydroxide 20-30% (CAS 1336-21-6)	PEL	35 mg/m3	
		50 ppm	
MONOAZO PIGMENT (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
AMORPHOUS SILICA, SILICON DIOXIDE (CAS 7631-86-9)	TWA	0.8 mg/m3	
		20 mppcf	
Crystalline Silica - Quartz (CAS 14808-60-7)	TWA	0.3 mg/m3	Total dust.
		0.1 mg/m3	Respirable.
		2.4 mppcf	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Ammonium Hydroxide 20-30% (CAS 1336-21-6)	STEL	35 ppm	
	TWA	25 ppm	
Crystalline Silica - Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.
MONOAZO PIGMENT (CAS 13463-67-7)	TWA	10 mg/m3	
PARAFFINIC PETROLEUM OIL (CAS 64742-54-7)	TWA	5 mg/m3	Inhalable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Ammonium Hydroxide 20-30% (CAS 1336-21-6)	STEL	27 mg/m3	
	TWA	35 ppm 18 mg/m3 25 ppm	
AMORPHOUS SILICA, SILICON DIOXIDE (CAS 7631-86-9)	TWA	6 mg/m3	
Crystalline Silica - Quartz (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection

If contact is likely, safety glasses with side shields are recommended.

Skin protection

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Other

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state

Liquid.

Form

Liquid.

Color	Not available.
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	10.53 lbs/gal
Flammability class	Not available.
Percent volatile	65.8 %
Specific gravity	1.26
VOC	Not available.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Powerful oxidizers. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product name: Rhino Top Smooth Coating

Revision Date:11-07-2017

Inhalation Prolonged inhalation may be harmful.
Skin contact No adverse effects due to skin contact are expected.
Eye contact Direct contact with eyes may cause temporary irritation.
Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
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Ammonium Hydroxide 20-30% (CAS 1336-21-6)

Acute

Oral

LD50	Rat	350 mg/kg
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AMORPHOUS SILICA, SILICON DIOXIDE (CAS 7631-86-9)

Acute

Oral

LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg

CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (CAS 10605-21-7)

Acute

Dermal

LD50	Rabbit	> 2000 mg/kg
	Rat	2000 mg/kg

Oral

LD50	Guinea pig	> 5000 mg/kg
	Mouse	11000 mg/kg
	Rat	> 5000 mg/kg

Diethylene Glycol Monobutyl Ether (CAS 112-34-5)

Acute

Dermal

LD50	Rabbit	2700 mg/kg
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Oral

LD50	Guinea pig	2000 mg/kg
	Mouse	2400 mg/kg
	Rabbit	2200 mg/kg
	Rat	4500 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

AMORPHOUS SILICA, SILICON DIOXIDE 3 Not classifiable as to carcinogenicity to humans.

(CAS 7631-86-9)

Crystalline Silica - Quartz (CAS 14808-60-7)

1 Carcinogenic to humans.

MONOAZO PIGMENT (CAS 13463-67-7)

2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Crystalline Silica - Quartz (CAS 14808-60-7)

Known To Be Human Carcinogen.

PARAFFINIC PETROLEUM OIL (CAS 64742-54-7)

Known To Be Human Carcinogen.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life.

Components	Species	Test Results
Ammonium Hydroxide 20-30% (CAS 1336-21-6)		
Aquatic		
Fish	LC50 Western mosquitofish (<i>Gambusia affinis</i>)	15 mg/l, 96 hours
CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (CAS 10605-21-7)		
Aquatic		
Fish	LC50 Channel catfish (<i>Ictalurus punctatus</i>)	0.009 - 0.015 mg/l, 96 hours
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)		
Aquatic		
Fish	LC50 Bluegill (<i>Lepomis macrochirus</i>)	1300 mg/l, 96 hours
MONOAZO PIGMENT (CAS 13463-67-7)		
Aquatic		
Crustacea	EC50 Water flea (<i>Daphnia magna</i>)	>1000 mg/l, 48 hours
Fish	LC50 Mummichog (<i>Fundulus heteroclitus</i>)	> 1000 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER	1.52
Diethylene Glycol Monobutyl Ether	0.56

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 - TRANSPORT INFORMATION

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established

SECTION 15 - REGULATORY INFORMATION
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US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.	
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.	
CERCLA Hazardous Substance List (40 CFR 302.4)		
Ammonium Hydroxide 20-30% (CAS 1336-21-6)		Listed.
CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (CAS 10605-21-7)		Listed.
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)		Listed.
SARA 304 Emergency release notification	Not regulated.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.	
Superfund Amendments and Reauthorization Act of 1986 (SARA)		
Hazard categories	Immediate Hazard - No	
	Delayed Hazard - Yes	
	Fire Hazard - No	
	Pressure Hazard - No	

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

<u>Chemical name</u>	<u>CAS number</u>	<u>% by wt.</u>
Diethylene Glycol Monobutyl Ether	112-34-5	1 to <5
Ammonium Hydroxide 20-30%	1336-21-6	0.1 to <1

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Diethylene Glycol Monobutyl Ether (CAS 112-34-5)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Crystalline Silica - Quartz (CAS 14808-60-7)
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)
MONOAZO PIGMENT (CAS 13463-67-7)
PARAFFINIC PETROLEUM OIL (CAS 64742-54-7)

US. Massachusetts RTK - Substance List

Ammonium Hydroxide 20-30% (CAS 1336-21-6)
AMORPHOUS SILICA, SILICON DIOXIDE (CAS 7631-86-9)
Crystalline Silica - Quartz (CAS 14808-60-7)
MONOAZO PIGMENT (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act

Ammonium Hydroxide 20-30% (CAS 1336-21-6)
AMORPHOUS SILICA, SILICON DIOXIDE (CAS 7631-86-9)
CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (CAS 10605-21-7)
Crystalline Silica - Quartz (CAS 14808-60-7)
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)
MONOAZO PIGMENT (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Ammonium Hydroxide 20-30% (CAS 1336-21-6)
AMORPHOUS SILICA, SILICON DIOXIDE (CAS 7631-86-9)
Crystalline Silica - Quartz (CAS 14808-60-7)
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)
MONOAZO PIGMENT (CAS 13463-67-7)

US. Rhode Island RTK

Ammonium Hydroxide 20-30% (CAS 1336-21-6)
CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (CAS 10605-21-7)
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

3-(3,4 Dichlorophenyl)-1,1-Dimethylurea (CAS 330-54-1)	Listed: May 31, 2002
Crystalline Silica - Quartz (CAS 14808-60-7)	Listed: October 1, 1988
MONOAZO PIGMENT (CAS 13463-67-7)	Listed: September 2, 2011

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16 - OTHER INFORMATION

Issue date	05-11-2015
Revision date	11-07-2017
Version #	07
HMIS® ratings	Health: 1* Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 0 Flammability: 0 Instability: 0

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Revision Information Section 9 updates.