Safety Data Sheet

Section 1: Identification

Product name:	Norton Scuff Gel	
UPC number:	07660705376	
Recommended use:	Abrasive paste for preparation of painted and plastic automotive surfaces	
	United States	Canada
Manufacturer Name:	Saint-Gobain Abrasives	Saint-Gobain Canada, Inc.
Address:	1 New Bond St, Worcester, MA USA	28 Albert Street, W., Plattsville, ON N0J 1S0
Website:	www.Nortonabrasives.com	www.Nortonabrasives.com
General Phone:	800-551-4413	519-684-7441
Emergency telephone:	508-795-5000	508-795-5000
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300	For emergencies in Canada, call CHEMTREC: 800-424-9300

Section 2: Hazard Identification

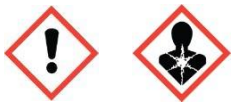
United States — According to OSHA 29 CFR 1910.1200 HCS

Classification:

- Serious Eye Damage/Irritation: Category 2A
- Skin Sensitizer: Category 1
- Carginogenicity: Category 1A
- Specific Target Organ Toxicity (repeated exposure): Category 1

Label elements:

DANGER



Hazard statements:

- May cause an allergic skin reaction. – H317
- Causes serious eye irritation. – H319
- May cause cancer if inhaled. – H350i
- Causes damage to organs through prolonged or repeated exposure: respiratory system – H372

Precautionary statements

Prevention:

- Obtain special instructions before use. – P201
- Do not handle until all safety precautions have been read and understood. – P202
- Do not breathe dust/fume/gas/mist/vapors/spray. – P260
- Wash thoroughly after handling. – P264
- Do not eat, drink or smoke when using this product. – P270
- Contaminated work clothing should not be allowed out of the workplace. – P272

Wear protective gloves/protective clothing/eye protection/face protection. – P280

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. – P305 + 351 + 338

If eye irritation persists: Get medical advice/attention. – P337 + 313

IF ON SKIN: Wash with plenty of soap and water. – P302 + P352

If skin irritation or rash occurs: Get medical advice/attention. – P333 + P313

Wash contaminated clothing before reuse. – P363

IF exposed or concerned: Get medical advice/attention. – P308 + P313

Storage/Disposal: Store locked up. – P405

Dispose of contents/container in accordance with applicable local/regional/national regulations. – P501

Canada According to WHMIS

WHMIS This product is considered a hazardous material by the Canadian Controlled Product Regulations. See Section 15 for additional information.

Classification Other toxic effects – D2A, D2B

Other Information

HMIS Ratings: Health: 2 Fire: 1 Physical Hazard: 0

(Hazard Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe; * = Chronic hazard)

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. If residue from product is allowed to dry, respirable dust may be created. While not a likely route of exposure, if inhaled, this component may cause delayed respiratory disease (silicosis and/or lung cancer). In these conditions, wear suitable respiratory equipment to protect against inhalation of dust.

Section 3: Composition / Information on Ingredients

Substances Material does not meet the criteria of a substance.

Mixtures

CAS #	Chemical Name	% by weight
7732-18-5	Water	40 – 60
14808-60-7	Quartz Silica	3 – 6
5989-27-5	d-Limonene Technical Grade	1 – 2
56-81-5	Glycerin	1 – 2
102-71-6	Triethanolamine	0.5 – 1.5

The exact percentage of this composition has been withheld as a trade secret.

Section 4: First Aid Measures

Description of first aid measures

Inhalation:	Remove person to fresh air. If you feel unwell, get medical attention.
Skin Contact:	Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.
Eye Contact:	Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.
Ingestion:	Rinse mouth. If you feel unwell, get medical attention.

Most important symptoms and effects, both acute and delayed

See section 11 – Toxicological Information.

Indication of any immediate medical attention and special treatment required

Not applicable.

Section 5: Fire-fighting Measures

Suitable extinguishing media

In case of fire: Use a fire-fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous decomposition or by-products

Hydrocarbons	During combustion
Carbon monoxide	During combustion
Carbon dioxide	During combustion

Special protective actions for fire-fighters

No unusual or explosion hazards are anticipated.

NFPA Ratings: Health: 2 Flammability: 1 Instability: 0 Special Hazards = None

(Hazard Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe)

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Ventilate the area with fresh air. For a large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice.

Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

Methods and material for containment and cleaning up

Contain spill. Work from around the edges of the spill inward and cover with commercially available inorganic absorbent material. Mix in sufficient absorbent material until it appears dry. Shovel as much of the material as possible into a suitable container. Seal the container and dispose of as soon as possible. Clean up residue with detergent and water.

Section 7: Handling and Storage

Precautions for safe handling

For industrial use only. Avoid contact with skin and eyes. Wash thoroughly after handling. Use with adequate ventilation and avoid breathing vapors or mists of this product. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Keep containers closed and in a cool, well-ventilated area. Material is freeze-thaw stable but best practice for any water-borne material is to protect from freezing whenever possible.

Section 8: Exposure Controls / Personal Protection

Control parameters

Occupational exposure limits

If a component is disclosed in section 3 but does not appear here, an occupational exposure limit is not available for the component.

CAS #	Chemical Name	Agency	Limit Type
14808-60-7	Quartz Silica	OSHA	TWA (as total dust): 0.3mg/m3 TWA (respirable fraction): 0.1mg/m3
14808-60-7	Quartz Silica	ACGIH	TWA (as respirable fraction): 0.025mg/m3
5989-27-5	d-Limonene Technical Grade	AIHA	TWA: 165.5 mg/m3 (30ppm)
56-81-5	Glycerin	OSHA	TWA (as total dust): 10mg/m3 TWA (respirable fraction): 5mg/m3
56-81-5	Glycerin	ACGIH	TWA: 10mg/m3
102-71-6	Triethanolamine	ACGIH	TWA: 5mg/m3

Key to abbreviations ACGIH = American Conference of Government Industrial Hygienists; AIHA = American Industrial Hygiene Association; OSHA = Occupational Safety and Health Administration; TWA = Time-Weighted Average based on 8hr/day and 40hr/week exposures

Exposure controls

Engineering controls Provide adequate ventilation as needed to control concentrations of airborne contaminants below applicable exposure limits. If ventilation is not adequate, use respiratory protection equipment.

Personal protective equipment

Respiratory An exposure assessment may be needed to decide if a respirator is required. If needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, use either a half-

facepiece or full-facepiece air-purifying respirator suitable for particulates. Consult respirator manufacturer for suitability for a specific application.

Eye/face protection: Safety glasses with eye shields are recommended.

Skin/hand protection: Wear protective gloves with cuffs. Normal work clothing (long sleeves and pants) is recommended.

General industrial hygiene: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Environmental exposure: Follow best practice for site management and disposal of waste. Avoid release to the environment.

Section 9: Physical and Chemical Properties

Basic physical and chemical properties

Physical form:	Thick paste	Percent volatile:	50%
Color:	Varies	VOC:	2.0% weight; 27g/l [calculated]
Odor:	Orange scent	VOC (less H2O & exempts):	75 g/l [calculated]
pH:	7 - 9	Evaporation rate:	No data available
Boiling point:	212° F (100° C)	Flammability (solid, gas):	Not applicable
Flash point:	>=200° F [Test method: Closed Cup]	Flammable Limits (LEL):	No data available
Density:	1.35 g/ml	Flammable Limits (UEL):	No data available
Specific gravity:	1.35 [Water = 1]	Vapor pressure:	No data available
Weight per gallon:	11.3 lbs.	Vapor density:	No data available
Viscosity:	750,000 – 1,000,000 cps [Brookfield]		
Solubility (H20):	Moderate		
Solubility (non-water):	No data available		

Section 10: Stability and Reactivity

Reactivity: This material is considered to be non-reactive under normal use conditions.

Chemical stability: Stable

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: None known.

Incompatible materials: Strong acids, strong oxidizing agents

Hazardous decomposition products: None known. Refer to section 5 for hazardous decomposition products during combustion.

Section 11: Toxicological Information

Information on toxicological effects

Signs and symptoms: Based on component information, this material may produce the following health effects:

Inhalation: May cause nose and throat irritation.

Skin contact: Contact with skin during product use is not expected to result in significant irritation. Allergic skin reaction (non-photo induced): signs/symptoms may include redness, swelling, blistering, and itching.

Eye contact: Causes eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion: Gastro-intestinal irritation: signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Target Organ Effects

Prolonged or repeated exposure may cause silicosis. Signs/symptoms may include breathlessness, weakness, chest pain, persistent cough, increased amounts of sputum, and heart disease. See "Section 2 – Other Information".

Carcinogenicity

Contains a chemical or chemicals which can cause cancer.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Chemical Name	Route	Species	Value
Quartz Silica	Dermal		LD50 estimated to be > 5,000mg/kg
Quartz Silica	Ingestion		LD50 estimated to be > 5,000mg/kg
d-Limonene	Dermal	Rabbit	LD50 > 5,000mg/kg
d-Limonene	Ingestion	Rat	LD50 4,400mg/kg
Glycerin	Dermal	Rabbit	LD50 estimated to be > 5,000mg/kg
Glycerin	Ingestion	Rat	LD50 > 5,000mg/kg
Triethanolamine	Dermal	Rabbit	LD50 > 2,000mg/kg
Triethanolamine	Ingestion	Rat	LD50 4,190mg/kg

Skin Corrosion / Irritation

Chemical Name	Species	Value
Quartz Silica		No significant irritation
d-Limonene	Rabbit	Mild irritant
Glycerin	Rabbit	No significant irritation

Serious Eye Damage / Irritation

Chemical Name	Species	Value
Quartz Silica		Data not available or insufficient for classification
d-Limonene	Rabbit	Mild irritant
Glycerin	Rabbit	No significant irritation

Skin Sensitization

Chemical Name	Species	Value
Quartz Silica		Data not available or insufficient for classification
d-Limonene	Mouse	Sensitizing
Glycerin	Guinea pig	Not sensitizing

Photosensitization Either no data are currently available or the data are not sufficient for classification.

Respiratory sensitization Either no data are currently available or the data are not sufficient for classification.

Germ cell mutagenicity Either no data are currently available or the data are not sufficient for classification.

Carcinogenicity

Chemical Name	Route	Species	Value
Quartz Silica	Inhalation	Human and animal	Carcinogenic
d-Limonene	Ingestion	Rat	Some positive data exist, but the data are not sufficient for classification.
Glycerin	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification.

Reproductive Toxicity

Reproductive and/or developmental effects

Chemical Name	Route	Value	Species	Test Result	Exposure Duration
Quartz Silica		Data not available or insufficient for classification			
d-Limonene	Ingestion	Not toxic to mail reproduction	Rat	NOAEL 150mg/kg/day	103 weeks
d-Limonene	Ingestion	Some positive female reproductive data exist but are not sufficient for classification	Rat	NOAEL 750mg/kg/day	Premating & during gestation
d-Limonene	Ingestion	Some positive femail reproductive data exist but are not sufficient for classification	Multiple animal species	NOAEL 591mg/kg/day	Duringorganogenesis
Glycerin	Ingestion	Not toxic to female reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generations
Glycerin	Ingestion	Not toxic to male reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generations
Glycerin	Ingestion	Not toxic to development	Rat	NOAEL 2,000 mg/kg/day	2 generations

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Chemical Name	Route	Target Organ(s)	Value	Species	Test Result	Duration
Quartz Silica			Data not available or insufficient for classification			
Glycerin			Data not available or insufficient for classification			
d-Limonene	Ingestion	Nervous system	Some positive data exist but are not sufficient for classification		NOAEL not available	

Specific Target Organ Toxicity – repeated exposure

Chemical Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Quartz Silica	Inhalation	Respiratory system	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL not available	Occupational exposure
d-Limonene	Ingestion	Kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 75mg/kg/day	103 weeks
d-Limonene	Ingestion	Liver	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 1,000mg/kg/day	103 weeks
d-Limonene	Ingestion	Heart/endocrine system /bone, teeth, nails, hair /hematopoietic system/ immune system/ muscles	All data are negative	Rat	NOAEL 600mg/kg/day	103 weeks
Glycerin	Ingestion	Respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 3.91 mg/l	14 days
Glycerin	Ingestion	Heart/liver/kidney and/or bladder	All data are negative	Rat	NOAEL 3.91 mg/l	14 days
Glycerin	Ingestion	Endocrine system/hematopoietic system/liver/kidney and/or bladder	All data are negative	Rat	NOAEL 10,000 mg/kg/day	2 years

Aspiration hazard Either no data are currently available or the data are not sufficient for classification.

Section 12: Ecological Information

Toxicity – Aquatic toxicity of components

Chemical Name	Species	Test	
d-Limonene	Fathead minnow	96 hr LC50:	702mg/l (flow-through)
Glycerin	Oncorhynchus mykiss	96 hr LC50:	50mg/l
Glycerin	Daphnia magna	24 hr LC50:	>500mg/l
Triethanolamine	Sheephead minnow	96 hr LC50:	11,800mg/kg
Triethanolamine	Daphnia magna	24 hr LC50:	2038mg/l

Persistance and degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available

Other adverse effects No data available

Section 13: Disposal Considerations

Disposal methods

Avoid disposal. Completely utilize product, if possible. Dispose unused product and container in accordance with local, regional, national, and international regulations. Incinerate unused product in a permitted waste incineration facility. As a disposal alternative, dispose of waste product in a permitted industrial waste facility.

EPA Hazardous Waste Number (RCRA): Not regulated

Section 14: Transport Information

US DOT information: Not regulated as a hazardous material.

TDG information: Not regulated as a dangerous good.

IMDG information: Not regulated as a dangerous good.

IATA information: Not regulated as a dangerous good.

Transportation during cold weather

This product is freeze-thaw stable and will function properly if it is frozen and then thawed. However, whenever possible, minimize the number of freeze cycles to which the product is exposed during transportation.

Section 15: Regulatory Information

U.S. Federal Regulations

Chemical inventory: All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

General information: No additional information available.

Component analysis: None of the product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

Acute health: No Chronic health: No Fire: No Pressure: No Reactive: No

State Regulations

General information: Other state regulations may apply. Check individual state requirements.

Component analysis: The following components appear on one or more of the following state hazardous substances lists:

CAS #	Chemical Name	CA	MA	MN	NJ	PA	RI
14808-60-7	Quartz Silica	No	Yes	Yes	Yes	Yes	No
56-81-5	Glycerin	No	Yes	Yes	No	Yes	Yes

California Proposition 65: This product contains a chemical known to the State of California to cause cancer, birth defects or any other harm.

Canadian WHMIS information

Chemical inventory: All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

General information: This product is considered a hazardous material by the Canadian Controlled Product Regulations. It is classified as D2A, D2B: Very Toxic Material.

Component analysis: This following components are identified under the Canada WHMIS Ingredient Disclosure List.

CAS #	Chemical Name	Minimum Concentration for Disclosure
14808-60-7	Quartz Silica	1%
5989-27-5	d-Limonene Technical Grade	1%
102-71-6	Triethanolamine	1%

Section 16: Other Information

Other information

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