

# SAFETY DATA SHEET

Acc. To OSHA HCS (29 CFR 1910.1200)

Trade Name: Friction®

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** 77189

**Trade Name:** Friction®

**Recommended use and restriction of use**

**Recommended use:** Anti-Slip Floor Cleaner Concentrate

**Restrictions on use:** Use only as directed ( use no more than 2 ounces / gallon)

**Details of Supplier/Manufacturer of Safety Data Sheet:**

NuSafe Floor Solutions, Inc.

44 Cummings Drive, Suite A

Walton, KY 41094

(859) 493-0701

**ChemTel, Inc. Emergency (800) 255-3924**

## 2. HAZARDS IDENTIFICATION

**Classification of substances or mixture**



**Irritant**

Eye Irrit. 1 **H319** Causes serious eye irritation.

Skin Irrit. 2 **H315** Causes skin irritation.

Skin Sens. 1 **H317** May cause an allergic skin reaction.

**Additional Information:**

There are no other hazards not otherwise classified that have been identified.

**Label elements**

**GHS label elements:**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms:**



**Irritant**

**Signal word:** Warning

**Hazard-determining components of labeling:**

p-Nonylphenol polyethylene glycol ether, Polymerized natural resin

**Hazard statements:**

**H315** Causes skin irritation.

**H317** May cause an allergic skin reaction.

**H319** Causes serious eye irritation

**Precautionary statements:**

**P261** Avoid breathing dust/fume/gas/mist/vapours/spray.

**P264** Wash hands thoroughly after handling.

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

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

**P313 + 333** IF SKIN irritation occurs: Get medical advice/attention.

**P337+P313** IF eye irritation persists: Get medical advice/attention.

**P362** Take off contaminated clothing and wash before reuse.

**P302+352** IF ON SKIN, Wash with plenty of soap and water.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard description:**

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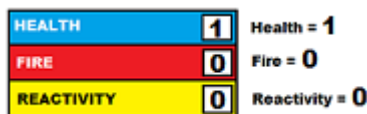
WHMIS symbols:

Classification system:

NFPA ratings (scale 0-4)



HMIS ratings (scale 0-4)



Other Hazards

Results of PBT and vPvB assessment:

PBT: Not Applicable

vPvB: Not Applicable

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterizations: Mixture

Description: Mixture of substances listed below with non-hazardous addition.

Dangerous components:

CAS #	Chemical Name	Range %
	Polymerized natural resin Eye Irrit. 2A, H319; Skin Sens. 1B, H317	1-15 %*
98113-10-1	p-Nonylphenol polyethylene glycol ether Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315	<6 %*
1310-73-2	Sodium Hydroxide Met. Corr. 1, H290; Skin Corr. 1A, H314	<2%*

\*Additional information: For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

## 4. FIRST AID MEASURES

### Description of First-Aid Measures

General information:

Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after exposure may be necessary.

**After inhalation:** Supply fresh air; consult a doctor in case of complaints.

**After skin contact:** Immediately rinse with water. If irritation continues, consult a doctor. Seek immediate medical help for blistering and open wounds.

**After eye contact:** Remove contact lenses if worn, if possible. Rinse opened eye(s) for several minutes with running water. Then consult a doctor.

**After swallowing:** Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

Information for doctor:

**Most important symptoms and effects, both acute and delayed:**

Allergic reactions, irritant to skin and mucous membrane, strong irritant with the danger of severe eye injury, headache, cramps, nausea and, may cause gastro-intestinal irritation if ingested

**Danger issues:** Causes serious eye damage

**Indication of an immediate medical attention and special treatment needed**

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Medical supervision for at least 48 hours. Treat skin and mucous membrane with antihistamine and corticoid preparations. Contains Rosin which may product an allergic reaction.

## 5. FIRE -FIGHTING MEASURES

### Extinguishing Media

**Suitable extinguishing agents:** CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** None.

**Special hazards arising from the substance or mixture:** Formation of toxic gases is possible during heating or in case of fire.

### Advice for firefighters

#### Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information:** No further relevant information available

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

**Environmental precautions:** Do not allow product to enter sewers, surface of ground water. Inform respective authorities if product seeps into water or sewage systems.

**Methods and materials for containment and clean up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders sawdust). Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to Sec. 13

**Reference to other section:** Refer to Sec. 7, 8, and 13.

## 7. HANDLING AND STORAGE

### Handling:

#### Precautions for safe handling:

Use in well ventilated areas

Open and handle receptacles with care.

Avoid splashes or sprays in enclosed areas

Avoid contact with eyes and skin.

Wash hands before breaks and at the end of work.

Use personal protective equipment as required

**Information about protection against explosions and fires:** No special measures required.

#### Conditions for safe storage, including and incompatibilities

No further relevant information available

#### Storage:

##### Requirements to be met by storerooms and receptacles:

Store only in original receptacle

Do not store in metal containers (aluminum)

**Information about storage in one common storage facility:** Store away from foodstuffs.

**Further information about storage conditions:** Store in cool, dry conditions in well-sealed receptacles.

**Specific end uses:** No further relevant information available.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Additional information about design of technical systems:** No further data; see item 7

**Components with limit values that require monitoring at the workplace:**

**Sodium Hydroxide**

PEL (USA)	Long-term value: 2 mg/m(3)
REL (USA)	Ceiling limit value: 2 mg/m(3)
TVL (USA)	Ceiling limit value: 2 mg/m(3)
EL (Canada)	Ceiling limit value: 2 mg/m(3)
EV (Canada)	Ceiling limit value: 2 mg/m(3)
LMPE (Mexico)	Ceiling limit value: 2 mg/m(3)

**Control parameters**

**Components with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists that were valid during the creation were used as the basis.

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed

Keep away from foodstuff, beverages and feed

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work

Avoid contact with the eye and skin

Use only in well ventilated areas.

**Engineering controls:** No further relevant information available



**Breathing equipment:** Not required under normal condition. Use in well ventilated area. Use suitable respiratory protective device in case of insufficient ventilation. Use respiratory device for spills.

**Protection of hands:**

**Material of gloves:** Gloves should be impermeable to caustic substances. (Rubber or neoprene)

**Penetration time of glove material:** Not known

**Eye protection:** Safety glasses are recommended

**Body protection:** Protective work clothing recommended

**Limitation and supervision of exposure into the environment:** No further relevant information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**General information:**

**Appearance:** Form: Liquid  
Color: Amber

**Odor:** Odorless or Sassafras

**Odor threshold:** Not determined

**pH value:** 9.8-11.1

**Melt point/ range:** 0 C (32 F)

**Boiling point/ range:** 100 C (212 F)

**Flash point:** Not applicable

**Flammability (solid, gaseous):** Not applicable

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**Auto-ignition temp:** Not determined

**Decomposition temperature:** Not determined

**Auto igniting:** Product is not self-igniting

**Danger of explosion:** Product does not present an explosion hazard

**Explosion limits: Lower:** Not determined

**Upper:** Not determined

**Vapor pressure at 20 C (68 F):** 23 hPa (17 mm Hg)

**Density at 20 C (F):** 1.04 gm/cm<sup>3</sup> (8.673 lbs. /gallon)

**Relative density:** Not determined

**Vapour density:** Not determined

**Evaporation rate:** Not determined

**Solubility/miscibility with water:** Soluble

**Partition coefficient (n-octanol/water):** Not determined

**Viscosity:** Not determined

**Solvent content:**

**VOC (California):** <3% (TTN EMC Method 24) VOC 4.5 grams/liter as used after dilution

**Other information:** No further relevant information available

## 10. STABILITY AND REACTIVITY

### Reactivity

#### Chemical Stability

**Thermal decomposition/conditions to be avoided:** No decomposition if used and stored according to specifications

**Possibility of hazardous reactions:** Exothermic with strong acids. Avoid oxidizing agents.

**Conditions to avoid:** Excessive heat and contact with oxidizers and acids.

**Incompatible materials:** No further relevant information available

**Hazardous decomposition components:** Burning may produce carbon dioxide or carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

**Acute toxicity:** Not known

#### LD/LC 50 values that are relevant for classification:

The following values are calculated on the mixture based on 3.1 of the GHS Document.

Oral	LD-50	Cat 5	>5000 mg/kg
Dermal	LD-50	Cat 5	>5000 mg/kg
Inhalation – gases	LC-50	Cat 5	>20000 ppmV
Inhalation – vapors	LC-50	Cat 5	>20 mg/l

#### Primary irritant effect

**On skin:** Irritant to skin and mucous membrane

**On eyes:** Strong irritant with the danger of severe eye injury

**Sensitization:** Sensitization possible through skin

Polymerized natural resin may produce an allergic reaction

**Subacute to chronic toxicity:** No further relevant information available

**Additional toxicological information:** Irritant, danger through skin absorption. Toxic and/or corrosive effects may be delayed up to 24 hours.

#### Carcinogenic categories

**NTP (National Toxicology Program):** None of the ingredients is listed

**OSHA-Ca (Occupational Safety and Health Administration):** No further relevant information available

**Probable routes of exposure:** Inhalation, eyes, skin, and ingestion.

**Acute effects (acute toxicity, irritation and corrosivity):**

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**Repeated Dose Toxicity:** No further relevant information available

## 12. ECOLOGICAL INFORMATION

### Toxicity

#### Aquatic toxicity:

The following values are calculated on the mixture based on 3.1 of the GHS Document.

**Aquatic Toxicity** LC-50 Cat 3 45 mg/l

**Persistence and degradability:** No further relevant information available

#### Behavior in environmental system:

**Bioaccumulative potential:** No further relevant information available

**Mobility in soil:** No further relevant information available

#### Additional ecological information:

May be harmful to fish

**General notes:** Do not allow undiluted product or large quantities of product to reach ground water, water course or sewage systems. Danger to drinking water and aquatic organisms.

**Other adverse effects:** No further relevant information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatments methods:

#### Recommendation:

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual material should be treated as hazardous.

#### Uncleaned packaging:

**Recommendations:** Disposal must be made according to official regulations

**Recommended cleansing agent:** Water, if necessary, with cleansing agents

## 14. TRANSPORT INFORMATION

#### UN-Number

DOT, ADR, IMDG, IATA: Not regulated

#### UN Proper Shipping Name

DOT, IATA: Not regulated

ADR: Not regulated

IMDG: Not regulated

#### Transport Hazard Class(s)

DOT, ADR, IMDG, IATA: Not regulated

#### Packing Group

DOT, ADR, IMDG, IATA: Not regulated

**Environmental hazards:** None Known

**Schedule B:** 3402.90.1000

**HS Code:** 3402

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulation/legislation specific for the substance or mixture (USA)

#### SARA

**Section 355 (extremely hazardous substances):** None of ingredients are listed

**Section 313 (Specific toxic chemical listings):** None of ingredients are listed

**TSCA (Toxic Substance Control Act):** All of ingredients are listed

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## Prop 65 (California)

**Chemicals known to cause cancer:** None of ingredients are listed

**Chemicals known to cause reproductive toxicity for females:** None of ingredients are listed

**Chemicals known to cause reproductive toxicity for males:** None of ingredients are listed

**Chemicals known to cause developmental toxicity:** None of ingredients are listed

## Carcinogenic Categories

**EPA (Environmental Protection Agency):** None of ingredients are listed

**IARC (International Agency for Research on Cancer):** N/A

**TVL (Threshold Limit Value established by ACGIH):** N/A

**NIOSH-Ca (National Institute for Occupational Safety and Health):** None of ingredients are listed

**State Right to Know Listings:** None of ingredients are listed

## Canadian substance listings

**Canadian Domestic Substances List (DSL):** All ingredients are listed.

**Canadian Ingredient Disclosure list (limit 0.1%):** None of the ingredients is listed.

**Canadian Ingredient Disclosure list (limit 1%):** 1310-73-2 Sodium Hydroxide

## Other regulations, limitations and prohibitive regulation:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and SDS contains all the information required by the Controlled Products Regulations.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship.

The health hazards given on the Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

Company warrants that the product or products described herein will conform to its published specifications. The products supplied by the company and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Company's materials for their own particular purpose. Since buyer's conditions of use of product are beyond Company's control, Company does not warrant any recommendations and information for the use of such products. Company disclaims all other warranties including the implied warranty of merchantability and fitness for any particular purpose in connection with the use of its products.

**Date of preparation/last revision:** 3/8/19