

Safety Data Sheet

Acc. To OSHA HCS (29 CFR 1910.1200)

16 July 2015

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Trade name: **Maintain™**

1 Identification

Product Identifier: **7074**

Trade Name: Maintain™

Recommended use and restriction of use

Recommended use: High traction floor cleaner/degreaser

Restrictions on use: Use only as directed

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 Hazard(s) Identification

Classification of substances or mixture



Irritant

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

Eye Irri. 2A **H319** Causes serious eye irritation

Acute Tox. 4 **H302** Harmful if swallowed.

Aquatic Tox. 3 **H412** Harmful to aquatic life with long lasting effects.

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:

Sulfamic acid

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse SKIN with water/shower.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position

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comfortable for breathing.

P301+P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.

P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

P310 Immediately call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

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

Hazard description:

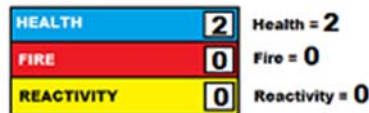
WHMIS symbols: D2B

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:

Description: Mixture

CAS-NO	Chemical name	Range %
5329-14-6	Sulfamic acid	< 4 %*
	Acute tox. 4, H302; Aquatic Tox. 3, H412; Skin Irri. 2, H315; Eye Irri. 2A H319	

*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 contacts 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:

Severe irritation on skin and mucous membranes

Breathing difficulty

Cramp

Coughing

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Danger issues:

Harmful if swallowed.

Causes serious eye irritation

Causes serious skin irritation

Indication of an immediate medical attention and special treatment needed:

Medical supervision for at least 48 hours. Monitor circulation and oxygen for respiration if necessary.

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.

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: Avoid alkalis and strong oxidizers

Storage

Requirements to be met by storerooms and receptacles:

Store only in original receptacle

Do not store in metal containers (aluminum or steel)

Information about storage in one common storage facility:

Store away from food stuff

Do not store with alkalis or oxidizing agents

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

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Specific end uses: No further relevant information available

8 Exposure controls/personal protection

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

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. For spills and insufficiently vented area, use respiratory protection.



Protection of hands:

Material of gloves: Gloves should be impermeable to acidic substances; Nitrile

Penetration time of glove material: Not known

Eye protection: Safety glasses or face shield

Body protection: Protective work clothing

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: Green

Odor: Mild

Odor threshold: Not determined

pH value: 5.5

Melt point/ range: Not determined

Boiling point/ range: 100 C (212 F)

Flash point: Not applicable

Flammability (solid, gaseous): Not applicable

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:

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Lower: Not determined

Upper: Not determined

Vapor pressure at 20 C (F): Not determined

Density at 20 C (F): 1.035 gm/cm³ (8.637 lbs/gallon)

Relative density: Not determined

Vapor density: Not determined

Evaporation rate: Not determined

Solubility/miscibility with water: Fully miscible

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

Viscosity: Not determined

Solvent content:

VOC (California): 0% (TTN EMC Method 24)

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:

Incompatible Strong Alkali and oxidizers.

Conditions to avoid: Excessive heat and contact with oxidizers

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:

LD/LC 50 values that are relevant for classification: No further information available

Primary irritant effect

On skin: Causes irritation on skin and mucous membrane

On eyes: Causes eye irritation

Sensitization: No sensitizing effects known

Sub-acute to chronic toxicity: No further relevant information available

Additional toxicological information: Corrosive. Swallowing will cause strong irritating effect on mouth and throat and may cause perforation to the esophagus and stomach.

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):

Causes irritation to skin and eyes

Repeated Dose Toxicity: No further relevant information available

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available

Persistence and degradability: Not readily biodegradable

Behavior in environmental system

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Bio-accumulative potential: No further relevant information available

Mobility in soil: No further relevant information available

Additional ecological information:

General notes: Do not allow undiluted product or large quantities of product to reach ground water, water course or sewage systems.

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.

Un-cleaned packaging:

Recommendations: Disposal must be made according to official regulations

Recommended cleansing agent: Water, if necessary with cleansing agents

14 Transport information

UN-Number: UN2967

UN proper shipping name: UN2967, Corrosive liquid, acidic, inorganic n.o.s. (sulfamic acid solution)

DOT: Not regulated

IMDG, IATA: UN2967, Corrosive liquid, acidic, inorganic n.o.s. (sulfamic acid solution)

Transport hazard class(s)

DOT: Not regulated, not applicable

IMDG, IATA: UN2967, Corrosive liquid, acidic, inorganic n.o.s. (sulfamic acid solution), 8, pg. III



Marine pollutant: No

Special precautions for user:

Danger code (Kemler): 80

EMS Number: FA, SB

Segregation groups: Acids

Transport/Additional information: DOT

Corrosive to Aluminum, Excepted per 49CFR 173.154 (d) (1). This product was tested for corrosivity toward a steel surface and found to be Non-Corrosive by the test protocol. It is therefore specifically exempted from corrosive warnings for transportation purposes.

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

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

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

IARC (International Agency for Research on Cancer):

TVL (Threshold Limit Value established by ACGIH):

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%): None of the ingredients is listed.

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.

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