

SAFETY DATA SHEET

1. Identification

Product identifier	NH 909, 1 GALLON	
Other means of identification		
Product code	082-000-003	
Recommended use	Cleaner/degreaser.	
Recommended restrictions	Not available.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	BROWNELLS, INC.	
Address	200 South Front Street Montezuma, Iowa 50171 United States	
Telephone	(641) 623-5401	
E-mail	Not available.	
Emergency phone number	INFOTRAC	Registrant #79335
	24 hour Emergency Number,	Domestic: (800) 457-4280
	24 hour Emergency Number,	Foreign: +1(352) 323-3500

2. Hazard(s) identification

Physical hazards	Not available.	
Health hazards	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
Environmental hazards	Not available.	
OSHA defined hazards	Not available.	

Label elements



Signal word	Danger	
Hazard statement	Causes severe skin burns and eye damage. Causes serious eye damage.	
Precautionary statement		
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Observe good industrial hygiene practices. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.	
Response	If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor. If eye irritation persists, get medical advice/attention. Wash contaminated clothing before reuse. Specific treatment (see this label).	
Storage	Store locked up. Keep container tightly closed, avoid contamination and moisture absorption. Store away from incompatible materials. Keep out of reach of children.	
Disposal	Dispose of in accordance with current, applicable local, state, and federal regulations.	
Hazard(s) not otherwise classified (HNOC)	Not available.	

Hazard(s) not otherwise classified (HNOC) Not available.

Supplemental information Not available.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
POTASSIUM SILICATE		1312-76-1	20 - < 30
TRADE SECRET REGISTRY		735517-5097P	1 - < 10
Other components below reportable levels			60 - < 70

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact Remove and isolate contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. Wash clothing separately before reuse.

Eye contact Immediately flush eye with plenty of water while holding the eyelid open for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion Rinse mouth. Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention.

Most important symptoms/effects, acute and delayed Irritating to the eyes and skin. Severe skin burns and eye damage. Harmful by inhalation and if swallowed.

Indication of immediate medical attention and special treatment needed Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet (SDS) to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Product is highly caustic; if involved with water during firefighting, will create highly alkaline mixture.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and NIOSH approved self-contained breathing apparatus (SCBA).

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.

Hazardous combustion products Silicon oxides.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep people away from and upwind of spill/leak. Keep unnecessary personnel away. Keep out of low areas. Do not breathe mist or vapor. Ensure adequate ventilation. Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Methods and materials for containment and cleaning up Prevent further leakage or spillage if safe to do so. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

Clean up in accordance with all applicable regulations.

Large Spills: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Neutralise with acid.

Small Spills: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Neutralise with acid.

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. Avoid discharge into drains, water courses or onto the ground. Do not contaminate water.

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. Observe good industrial hygiene practices. Do not breathe mist or vapor. Provide adequate ventilation. Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Wash thoroughly after handling. Do not eat, drink or smoke when using the product. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities Store locked up. Keep container tightly closed, avoid contamination and moisture absorption. Store away from incompatible materials. See Section 10 of the SDS for incompatible materials. Use care in handling/storage. Keep out of the reach of children.

8. Exposure controls/personal protection

Occupational exposure limits No exposure limits noted for ingredient(s).

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. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Do not get in eyes. Wear chemical goggles. Face-shield.

Skin protection

Hand protection Impervious gloves.

Other Do not get this material in contact with skin. Wear suitable protective clothing with long sleeves. Rubber or plastic apron.

Respiratory protection Use a NIOSH/MSHA approved respirator if there is a risk of exposure to levels exceeding the exposure limits. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever work place conditions warrant a respirator's use.

Thermal hazards Not available.

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. Contaminated work clothing should not be allowed out of the workplace. Do not get in eyes, on skin, or on clothing. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Opaque.

Odor Mild.

Odor threshold Not available.

pH 11.5

Melting point/freezing point 32 °F (0 °C)

Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
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	1.08
Solubility(ies)	
Solubility (water)	100 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Bulk density	9.03 lb/gal
Percent volatile	4 % by weight excluding water

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Not available.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Acids.
Hazardous decomposition products	Silicon oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Do not breathe mist or vapor. Harmful by inhalation.
Skin contact	Do not get this material in contact with skin. May cause skin irritation. Causes severe skin burns.
Eye contact	Do not get this material in contact with eyes. May irritate eyes. Causes serious eye damage
Ingestion	Do not swallow or taste. Harmful if swallowed. Causes digestive tract burns.

Symptoms related to the physical, chemical and toxicological characteristics Irritating to the eyes and skin. Severe skin burns and eye damage. Harmful by inhalation and if swallowed.

Information on toxicological effects

Acute toxicity	Causes severe skin burns and eye damage. May cause skin and eye irritation. Harmful by inhalation and if swallowed.
Skin corrosion/irritation	Causes severe skin burns and eye damage. Irritating to skin.
Serious eye damage/eye irritation	Causes serious eye damage. May be irritating to eyes.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization Not available.

Germ cell mutagenicity Not available.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity Not available.

**Specific target organ toxicity
- single exposure** Not available.

**Specific target organ toxicity
- repeated exposure** Not available.

Aspiration hazard Not available.

Chronic effects Not available.

12. Ecological information

Ecotoxicity Not available.

Persistence and degradability Not available.

Bioaccumulative potential Not available.

Mobility in soil Not available.

Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Dispose of in accordance with current, applicable local, state, and federal regulations.

**Waste from residues /
unused products** Not available.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

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 available.

15. Regulatory information

US federal regulations This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.
CERCLA/SARA Hazardous Substances - Not applicable.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 No
Hazardous chemical

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

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

Not regulated.

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. Massachusetts RTK - Substance List

Not regulated.

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

Not listed.

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

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

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

16. Other information, including date of preparation or last revision

Issue date 03-24-2015

Version # 01

References

ACGIH
EPA: AQUIRE database
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision Information

Product and Company Identification: Product Uses
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
Regulatory Information: United States
HazReg Data: International Inventories