



GOLD MEDAL[®] PRODUCTS CO.

10700 Medallion Drive | Cincinnati, Ohio 45241-4807

513-769-7676 | 513-769-8500 (fax) | 1-800-543-0862 | 1-800-542-1496 (toll free fax)

Version 1.5

Revision Date: 10/21/2015

2095 Heat N' Kleen

SAFETY DATA SHEET

1. Identification

Product identifier: - HEAT-N-KLEEN

Other means of identification

SDS number: 000100002748

Recommended use and restriction on use

Recommended use: To remove grease and carbon buildup on cookware.

Restrictions on use: Not known.

Emergency telephone number: For emergency assistance Involving chemicals

Call ChemTel day or night at 1-888-255-3924

2. Hazard(s) identification

Hazard classification

Label elements

Hazard symbol



Signal word

Danger

Hazard statement

Causes serious eye irritation.

Precautionary statement



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Prevention	Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.
Storage	Store in a closed container.
Disposal	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Other hazards which do not result in GHS classification	None.



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3. Composition/information on ingredients

Mixtures

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
Soda Ash (Sodium Carbonate)		497-19-8	60 - 70%
Triphosphoric acid, sodium salt (1:5)		7758-29-4	15 - 25%
Silicic acid, sodium salt		1344-09-8	5 - 15%
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts		68081-81-2	1 - 10%
Water		7732-18-5	0 - 5%
Diphosphoric acid, sodium salt (1:4)		7722-88-5	0 - 2%
Sodium Sulfate		7757-82-6	0 - 1%
Sodium Chloride		7647-14-5	0 - 1%
Pine Oil		8002-09-3	0 - 1%
Nonylphenol Polyethylene Glycol Ether		127087-87-0	0 - 2%
Poly (Ethylene Glycol)		25322-68-3	0 - 1%
Dionylphenyl polyoxyethylene		9014-93-1	0 - 2%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments:

The components are not hazardous or are below required disclosure limits. The components are not hazardous or are below required disclosure limits.

4. First-aid measures

Ingestion:	Do NOT induce vomiting. Never give liquid to an unconscious person. Get medical attention immediately.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.
Skin contact:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Eye contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.



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Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General fire hazards: No data available.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: Not combustible.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Use fire-extinguishing media appropriate for surrounding materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.

Methods and material for containment and cleaning up: Sweep or scoop up and remove. Prevent dust cloud.

Environmental precautions: Do not contaminate water sources or sewer.

7. Handling and storage

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Do not breathe dust. Use only in well-ventilated areas.

Conditions for safe storage, including any incompatibilities: Unsuitable containers: aluminum. Keep in original container. Keep container closed.



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8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None of the components have assigned exposure limits.

Appropriate engineering controls

Provide sufficient ventilation for operations causing dust formation.

Minimize dust generation and accumulation.

Individual protection measures, such as personal protective equipment

General information:

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.

Eye/face protection:

Use protective gloves, goggles and suitable protective clothing.

Skin protection

Hand protection:

Neoprene.

Other:

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

Avoid breathing dust.

Hygiene measures:

Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using the product. Avoid contact with eyes. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. Physical and chemical properties

Physical state:

Solid

Form:

Granular

Color:

Off-white

Odor:

Characteristic odor of pine

Odor threshold:

No data available.

pH:

11

Melting point/freezing point:

No data available.

Initial boiling point and boiling range:

1,670 °C

Flash Point:

Does not flash

Evaporation rate:

No data available.

Flammability (solid, gas):

No data available.

Upper/lower limit on flammability or explosive limits



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Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	2.5
Solubility(ies)	
Solubility in water:	The product is soluble in water.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.
Chemical stability:	Stable
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.
Incompatible materials:	No data available.
Hazardous decomposition products:	No data available.

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion:	No data available.
Inhalation:	No data available.
Skin contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product:	ATEmix ():
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Dermal

Product: No data available.

Specified substance(s):

Soda Ash (Sodium Carbonate) LD 50 (Rabbit): > 2,000 mg/kg (, No)
1 (reliable without restriction)
LD 50 (Mouse): 2,210 mg/kg (, No)
4 (not assignable)

Specified substance(s):

Triphosphoric acid, sodium salt (1:5) LD 50 (Rabbit): > 4,640 mg/kg (, No)
2 (reliable with restrictions)

Specified substance(s):

Silicic acid, sodium salt LD 50 (Rat): > 5,000 mg/kg (, Yes)
1 (reliable without restriction)

Specified substance(s):

Diphosphoric acid, sodium salt (1:4) LD 50 (Rabbit): > 2,000 mg/kg (, Yes)
1 (reliable without restriction)
LD 50 (Rabbit): > 2,000 mg/kg
2 (reliable with restrictions)

Specified substance(s):

Sodium Chloride LD 50 (Rabbit): > 10,000 mg/kg
2 (reliable with restrictions)

Inhalation

Product: No data available.

Specified substance(s):

Soda Ash (Sodium Carbonate) LC 50 (Rat, 2 h): 2.3 mg/l LC 50 (Guinea pig, 2 h): 0.8 mg/l LC 50 (Mouse, 2 h): 1.2 mg/l LC 50 (Guinea pig,): 800 mg/m³ (, No) 2 (reliable with restrictions) LC 50 (Mouse,): 1,200 mg/m³ (, No) 2 (reliable with restrictions)

Specified substance(s):

Triphosphoric acid, sodium salt (1:5) LC 50 (Rat,): > 0.39 mg/l (, Yes) 1 (reliable without restriction)

Specified substance(s):

Silicic acid, sodium salt LC 50 (Rat,): > 2.06 mg/l (, Yes) 1 (reliable without restriction)

Specified substance(s):

Diphosphoric acid, sodium salt (1:4) LC 50 (Rat,): > 1.1 mg/l (, Yes) 2 (reliable with restrictions)

Specified substance(s):

Sodium Sulfate LC Lo (Rat,): > 10 mg/m³ (, No) 2 (reliable with restrictions) LC 50 (Rat,): > 2.4 mg/l (, Yes) 1 (reliable without restriction)



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Specified substance(s):	
Sodium Chloride	LC 50 (Rat,) : > 42 mg/l 2 (reliable with restrictions)
Repeated dose toxicity	
Product:	No data available.
Skin corrosion/irritation	
Product:	No data available.
Serious eye damage/eye irritation	
Product:	No data available.
Specified substance(s):	
Triphosphoric acid, sodium salt (1:5)	Concentrated alkali
Respiratory or skin sensitization	
Product:	No data available.
Carcinogenicity	
Product:	No data available.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:	
No carcinogenic components identified	
US. National Toxicology Program (NTP) Report on Carcinogens:	
No carcinogenic components identified	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):	
No carcinogenic components identified	
Germ cell mutagenicity	
In vitro	
Product:	No data available.
In vivo	
Product:	No data available.
Reproductive toxicity	
Product:	No data available.
Specific target organ toxicity - single exposure	
Product:	No data available.
Specific target organ toxicity - repeated exposure	
Product:	No data available.
Aspiration hazard	
Product:	No data available.
Other effects:	No data available.



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12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Soda Ash (Sodium Carbonate)
LC 50 (Bluegill (*Lepomis macrochirus*), 24 h): 385 mg/l Mortality LC 50 (Fathead minnow (*Pimephales promelas*), 24 h): 3,540 - 6,160 mg/l Mortality LC 50 (Sailfin molly (*Poecilia latipinna*), 25 h): 405 mg/l Mortality LC 50 (Fathead minnow (*Pimephales promelas*), 48 h): 950 - 4,060 mg/l Mortality LC 50 (Western mosquitofish (*Gambusia affinis*), 48 h): 840 mg/l Mortality

Triphosphoric acid, sodium salt (1:5)
LC 50 (Medaka, high-eyes (*Oryzias latipes*), 24 h): 590 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 24 h): 820 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 24 h): > 1,000 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 48 h): 590 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 48 h): 780 mg/l Mortality

Silicic acid, sodium salt LC 50 (Western mosquitofish (*Gambusia affinis*), 24 h): 3,200 mg/l Mortality

Diphosphoric acid, sodium salt (1:4)
LC 50 (Western mosquitofish (*Gambusia affinis*), 24 h): 1,380 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 24 h): 760 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 24 h): > 1,000 mg/l Mortality LC 50 (Western mosquitofish (*Gambusia affinis*), 48 h): 1,380 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 48 h): 700 mg/l Mortality

Sodium Sulfate
LC 50 (Striped bass (*Morone saxatilis*), 24 h): 650 mg/l Mortality LC 50 (Western mosquitofish (*Gambusia affinis*), 24 h): 7,800 mg/l Mortality LC 50 (Striped bass (*Morone saxatilis*), 24 h): 790 mg/l Mortality LC 50 (Starfish (*Asterias rubens*), 24 h): > 6,400 mg/l Mortality LC 50 (Fathead minnow (*Pimephales promelas*), 24 h): > 7,070 mg/l Mortality

Poly (Ethylene Glycol)
LC 50 (Atlantic salmon (*Salmo salar*), 24 h): > 1,000 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 24 h): > 1,000 mg/l Mortality LC 50 (Goldfish (*Carassius auratus*), 24 h): > 5,000 mg/l Mortality LC 50 (Atlantic salmon (*Salmo salar*), 48 h): > 1,000 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 48 h): > 1,000 mg/l Mortality

Aquatic invertebrates

Product: No data available.

Specified substance(s):

Soda Ash (Sodium Carbonate)
EC 50 (Water flea (*Daphnia magna*), 4.2 d): 524 mg/l Intoxication EC 50 (Water flea (*Ceriodaphnia dubia*), 48 h): 156.6 - 298.9 mg/l Intoxication LC



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50 (Water flea (Ceriodaphnia dubia), 24 h): 1,240 - 1,770 mg/l Mortality LC

50 (Water flea (Daphnia magna), 24 h): 1,900 - 2,870 mg/l Mortality LC 50

(Water flea (Daphnia magna), 24 h): 265 mg/l Mortality

Triphosphoric acid,
sodium salt (1:5)

EC 50 (Water flea (Ceriodaphnia dubia), 48 h): 238.35 - 321.01 mg/l
Intoxication

Silicic acid, sodium salt

LC 50 (Pond snail (Lymnaea), 24 h): 632 mg/l Mortality LC 50 (Pond snail
(Lymnaea), 48 h): 630 mg/l Mortality LC 50 (Pond snail (Lymnaea), 72 h):
630 mg/l Mortality LC 50 (Pond snail (Lymnaea), 96 h): 632 mg/l Mortality

Diphosphoric acid,
sodium salt (1:4)

LC 50 (Water flea (Daphnia magna), 24 h): 433 mg/l Mortality LC 50 (Water
flea (Daphnia magna), 48 h): 391 mg/l Mortality

Sodium Sulfate

LC 50 (Water flea (Daphnia magna), 24 h): 6,800 mg/l Mortality LC 50
(Water flea (Daphnia magna), 24 h): 8,384 mg/l Mortality LC 50 (Common
bay mussel, blue mussel (Mytilus edulis), 24 h): > 6,400 mg/l Mortality LC 50
(False saddle oyster (Anomia ephippium), 24 h): > 6,400 mg/l Mortality LC
50 (Green or European shore crab (Carcinus maenas), 24 h): > 6,400 mg/l
Mortality

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and degradability

Biodegradation

Product: No data available.

BOD/COD ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration factor (BCF)

Product: No data available.

Partition coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments



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Sodium carbonate	No data available.
Pentasodium triphosphate	No data available.
Silicic acid, sodium salt	No data available.
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	No data available.
Water	No data available.
Tetrasodium pyrophosphate	No data available.
Sodium sulphate	No data available.
Sodium chloride	No data available.
Pine Oil	No data available.
Nonylphenol Polyethylene Glycol Ether	No data available.
Poly (Ethylene Glycol)	No data available.
Dionylphenyl polyoxyethylene	No data available.

13. Disposal considerations

Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws. Contact supplier for disposal information. Since emptied containers retain product residue, follow label warnings even after container is emptied.
Contaminated packaging:	No data available.

14. Transport information

Not regulated for US domestic ground transportation.



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15. Regulatory information

US federal regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories

Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating

SARA 302 Extremely hazardous substance

None present or none present in regulated quantities.

SARA 304 Emergency release notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous chemical

Chemical identity	Threshold Planning Quantity
None present or none present in regulated quantities.	

None present or none present in regulated quantities.

SARA 313 (TRI reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

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

None present or none present in regulated quantities.

US state regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

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

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.



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Inventory Status:Australia AICS:

Canada DSL Inventory List:

EU EINECS List:

EU ELINCS List:

Japan (ENCS) List:

EU No Longer Polymers List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

US TSCA Inventory:

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

Not in compliance with the inventory.

On or in compliance with the inventory

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

HMIS Hazard ID

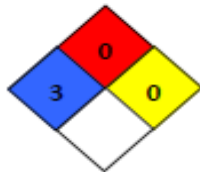
Health		3
Flammability		0
Physical hazards		0
PERSONAL PROTECTION		B
Health		
Flammability		0
Physical hazards		
PERSONAL PROTECTION		B

B - Safety Glasses & Gloves

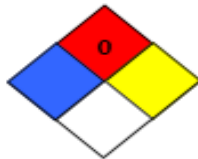
B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue date: 10/21/2015
Revision date: No data available.
Version #: 1.5
Further information: No data available.