GOLD MEDAL® PRODUCTS CO.
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Version 1.1
Revision Date: 10/22/2015

2095 Heat N' Kleen

SAFETY DATA SHEET

1. Identification

Product identifier: HEAT-N-KLEEN

Other means of identification

SDS number: 000100001226

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

Health hazards

Acute toxicity (Oral)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Environmental hazardsAcute hazards to the aquatic environment	Category 3

Label elements

Hazard symbol



Signal word	Danger
Hazard statement	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Harmful to aquatic life.
Precautionary statement	
Prevention	Wash thoroughly after handling. Do not eat, drink or smoke when using this product. 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. IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. Rinse mouth. Immediately call a POISON CENTER/doctor. Specific treatment (see this label). Take off contaminated clothing and wash before reuse.
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.

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 - 65%
Triphosphoric acid, sodium salt (1:5)		7758-29-4	15 - 25%
Disodium metasilicate		6834-92-0	5 - 15%
Water		7732-18-5	5 - 15%
Diphosphoric acid, sodium salt (1:4)		7722-88-5	1 - 10%
Sodium Dodecylbenzenesulfonate		25155-30-0	2 - 10%
Sodium Sulfate		7757-82-6	0 - 1%
Sodium Chloride		7647-14-5	0 - 0.5%
Pine Oil		8002-09-3	>0 - 1%
Nonylphenol Polyethylene Glycol Ether		127087-87-0	>0 - 1%
Poly (Ethylene Glycol)		25322-68-3	0 - 0.5%
Dionylphenyl polyoxyethylene		9014-93-1	0 - 0.5%

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

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.

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:	Use water spray to keep fire-exposed containers cool.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	Not combustible.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No unusual fire or explosion hazards noted.
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:	Ventilate closed spaces before entering them. Use personal protective equipment.
Methods and material for containment and cleaning up:	Sweep or scoop up and remove.

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:	Store in a cool, dry place out of direct sunlight.

8. Exposure controls/personal protection

Indication of immediate medical attention and special treatment needed

Treatment:	No data available.
	None of the components have assigned exposure limits.
Appropriate engineering controls	No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment

General information:	No data available.
Eye/face protection:	Wear approved safety goggles. Wear face shield if there is risk of splashes.
Skin protection	
Hand protection:	Chemical resistant gloves
Other:	Wear appropriate clothing to prevent any possibility of skin contact.
Respiratory protection:	In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.
Hygiene measures:	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:	White
Odor:	Slight
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	The product is non-combustible.
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
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:	2.53
Solubility(ies)	

Solubility in water:	Soluble
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:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Stable
Conditions to avoid:	None known.
Incompatible materials:	Strong acids.
Hazardous decomposition products:	Stable

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 (): 1,967.940868 mg/kg

Dermal

Product: ATEmix (): 2,331.658292 mg/kg

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):
Disodium metasilicate — 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)

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.

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
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 Dodecylbenzenesulfonate	LC 50 (Catfish (Rita rita), 2 h): > 10 mg/l Mortality LC 50 (Catfish (Rita rita), 4 h): > 10 mg/l Mortality LC 50 (Catfish (Rita rita), 6 h): 9.136 - 10.098 mg/l Mortality LC 50 (Catfish (Rita rita), 8 h): 8.539 - 9.323 mg/l Mortality LC 50 (Catfish (Rita rita), 10 h): 8.381 - 9.262 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 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
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 Dodecylbenzenesulfonate	EC 50 (Water flea (Daphnia magna), 24 h): 12 mg/l Intoxication EC 50 (Water flea (Daphnia magna), 24 h): 17 mg/l Intoxication EC 50 (Water flea (Ceriodaphnia dubia), 48 h): 3.26 - 14.51 mg/l Intoxication LC 50 (Water flea (Moina macrocopa), 3 h): 2.1 mg/l Mortality LC 50 (Water flea (Ceriodaphnia dubia), 7 d): 19.87 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.
Specified substance(s):	
Sodium Dodecylbenzenesulfonate	EC 50 (Green algae (Chlamydomonas variabilis), 4 h): 3 mg/l Intoxication EC 50 (Green algae (Chlamydomonas variabilis), 4 h): 3.7 mg/l Intoxication EC 50 (Green algae (Chlamydomonas variabilis), 4 h): 4.1 mg/l Intoxication

Persistence and degradability

Biodegradation

Product:	No data available.

BOD/COD ratio

Product:	No data available.

Bioaccumulative potential

Bioconcentration factor (BCF)

Product:	No data available.
Specified substance(s):	
Sodium Dodecylbenzenesulfonate	Carp (Leuciscus idus melanotus), Bioconcentration factor (BCF): 130 (Renewal) Carp (Cyprinus carpio), Bioconcentration factor (BCF): 40 (Static) Carp (Cyprinus carpio), Bioconcentration factor (BCF): 1.8 (Static) Carp (Cyprinus carpio), Bioconcentration factor (BCF): 1.7 (Static) Carp (Cyprinus carpio), Bioconcentration factor (BCF): 0.62 (Static)

Partition coefficient n-octanol / water (log Kow)

Product:	No data available.
Specified substance(s):	
Sodium Dodecylbenzenesulfonate	Log Kow: 0.45
Mobility in soil:	No data available.

Known or predicted distribution to environmental compartments

Sodium carbonate	No data available.
Pentasodium triphosphate	No data available.
Disodium metasilicate	No data available.
Water	No data available.
Tetrasodium pyrophosphate	No data available.
Sodium dodecylbenzenesulfonate	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.

Known or predicted distribution to environmental compartments

Water	No data available.
Sodium dodecylbenzenesulfonate	No data available.

13. Disposal considerations

Disposal instructions:	When handling waste, consideration should be made to the safety precautions applying to handling of the product. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Discharge, treatment, or disposal may be subject to national, state, or local laws.
Contaminated packaging:	Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not empty into drains; dispose of this material and its container in a safe way.

14. Transport information

Not regulated for US domestic ground transportation.

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):

Triphosphoric acid, sodium salt (1:5)	Reportable quantity: 5000 lbs.
Sodium Dodecylbenzenesulfonate	Reportable quantity: 1000 lbs.

Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories

Not listed.

SARA 302 Extremely hazardous substance

None present or none present in regulated quantities.

SARA 304 Emergency release notification

Chemical identity	RQ
Triphosphoric acid, sodium salt (1:5)	5000 lbs.
Sodium Dodecylbenzenesulfonate	1000 lbs.

SARA 311/312 Hazardous chemical

Chemical identity	Threshold Planning Quantity
Soda Ash (Sodium Carbonate)	500 lbs
Triphosphoric acid, sodium salt (1:5)	500 lbs
Disodium metasilicate	500 lbs
Diphosphoric acid, sodium salt (1:4)	500 lbs

SARA 313 (TRI reporting)

None present or none present in regulated quantities.

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

Triphosphoric acid, sodium salt (1:5)	Reportable quantity: 5000 lbs.
Sodium Dodecylbenzenesulfonate	Reportable quantity: 1000 lbs.

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

Diphosphoric acid, sodium salt (1:4)	Listed
Sodium Dodecylbenzenesulfonate	Listed

US. Massachusetts RTK - Substance List

Triphosphoric acid, sodium salt (1:5)	Listed
Diphosphoric acid, sodium salt (1:4)	Listed
Sodium Dodecylbenzenesulfonate	Listed

US. Pennsylvania RTK - Hazardous Substances

Triphosphoric acid, sodium salt (1:5)	Listed
Diphosphoric acid, sodium salt (1:4)	Listed
Sodium Dodecylbenzenesulfonate	Listed

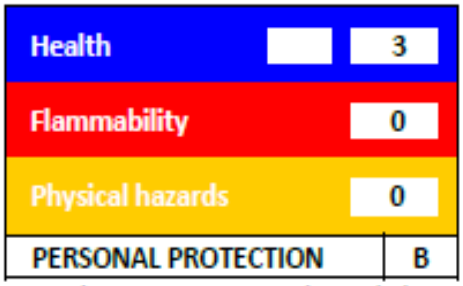
US. Rhode Island RTK

Triphosphoric acid, sodium salt (1:5)	Listed
Sodium Dodecylbenzenesulfonate	Listed

Inventory Status: Australia AICS:	Not in compliance with the inventory.
Canada DSL Inventory List:	Not in compliance with the inventory.
EU EINECS List:	Not in compliance with the inventory.
EU ELINCS List:	Not in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
EU No Longer Polymers List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	Not in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.

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

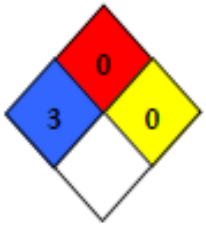
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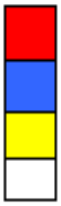


B - Safety Glasses & Gloves

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

NFPA Hazard ID





Flammability
Health
Reactivity
Special hazard.

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

Issue date:	10/22/2015
Revision date:	No data available.
Version #:	1.1
Further information:	No data available.