



Issue date 09-Dec-2015

Safety Data Sheet

Version 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product name KING PINE BRAND HEAVY-DUTY OVEN & GRILL CLEANER
Chemical name 7-8044-1

Other means of identification

Product code FG 429-1606-4
Synonyms Oven and grill cleaner

Recommended use of the chemical and restrictions on use

Recommended Use Stoves, ovens and grills.
Uses advised against DO NOT USE ON FLOORS Do not use on tile, plastic, leather, copper, painted and varnished surfaces.

Details of the supplier of the safety data sheet

Supplier Address KING BRANDS LLC
409-413 Newport Street
Brooklyn, NY 11207
Manufacturer Address Chase Products Co.
2727 Gardner Road
Broadview, IL 60155
708-273-1121

Emergency Telephone Number
Company Phone Number 708-865-1000
24 Hour Emergency Phone Number 1-800-255-3924

2. Hazards Identification

Classification

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Gases Under Pressure	liquefied gas

Label Elements

EMERGENCY OVERVIEW

DANGER

hazard statements

Causes severe skin burns and eye damage
Contains gas under pressure; may explode if heated



Appearance Yellowish, viscous liquid

Physical State Aerosol

Odor Strong, characteristic odor

Precautionary Statements - Prevention

Do not breathe fumes, mist, vapors or spray.
Wash face, hands and any exposed skin thoroughly after handling

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Wear protective gloves, protective clothing, eye protection and face protection.

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor

Specific treatment: See additional cautionary statements on this label.

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

Immediately call a POISON CENTER or doctor

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

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor

IF SWALLOWED: rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Protect from sunlight. Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other Information

0% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients

Common Name	Oven and grill cleaner.
Synonyms	Oven and grill cleaner.
Chemical Family	MIXTURES.
Formula	7-8044-1
Chemical nature	Aqueous alkaline solution.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	85-90	*
Sodium hydroxide	1310-73-2	1-5	*
N-Butane	106-97-8	1-5	*
Urea	57-13-6	1-5	*
Propane	74-98-6	1-5	*

Chemical Additions Hazardous components according to OSHA, are listed when present at 1% or greater. Carcinogenes are listed when present at 0.1% or greater.

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

Eye Contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or

doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms Acute: Danger - contains sodium hydroxide. Injurious if sprayed on yes. Contact with eyes may result on eye damage. Irritant to skin. Prolonged contact with skin may cause severe burns. Inhalation of vapor or mist may cause headaches, dizziness and nausea. Vapors may irritate the upper-respiratory tract system.

Indication of any immediate medical attention and special treatment needed

Note to physicians None needed.

5. Fire-fighting measures

Suitable extinguishing media

Dry chemical, CO2 or water spray.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

This product is under pressure. Water spray may be used to cool cans in the vicinity of fire or excessive heat to prevent the explosion of the cans.

Hazardous combustion products Thermal decomposition may release carbon monoxide and carbon dioxide.

Explosion data

Sensitivity to Mechanical Impact Contents under pressure, keep away from heat and open flame.

Sensitivity to Static Discharge Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use with adequate general or local exhaust ventilation.

For emergency responders Remove all sources of ignition.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

Methods for cleaning up Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Avoid contact with skin. Avoid getting spray into eyes. Do not deliberately inhale vapor or mist. Do not contaminate food or food handling surfaces. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a cool, dry place away from heat and open flame. Keep out of reach of children. **AEROSOL STORAGE LEVEL I (NFPA-30B)** .

Incompatible Materials Avoid heat, open flame and contact with strong oxidizers. Avoid contact with tile, plastic, leather, copper, painted and varnished surfaces.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
N-Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³	TWA: 800 ppm TWA: 1900 mg/m ³
Bentonite clay 1302-78-9	TWA: 1 mg/m ³ respirable fraction	-	-
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³

Appropriate engineering controls

Engineering controls Use with adequate general or local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face Protection Conventional eyeglasses to guard against splashing.

Skin and Body Protection Rubber, vinyl or household type gloves required.

Respiratory protection Use in well-ventilated area ONLY. When using indoors, keep windows and doors open until fumes disipate.

General hygiene considerations Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Aerosol	Odor	Strong, characteristic odor
Appearance	Yellowish, viscous liquid	Odor threshold	No information available
Color	light yellow		
Property	Values	Remarks • Method	
pH	13.65	No information available	
Melting point/freezing point	Not applicable	No information available	
Boiling point/boiling range	Water 212 °F/100 °C	No information available	
Flash Point	Not applicable. This is an aerosol product for which Flame Projection is 0 in. with 0 in flashback. Product was tested for Enclosed Space Ignition Test and is not a flammable aerosol as defined on 29CFR 1910.122 Appendix B.3.	No information available	
Evaporation Rate	Faster than butyl acetate	No information available	
Flammability (solid, gas)		No information available	
Flammability Limits in Air		No information available	

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Upper flammability limits	Not available	
Lower Flammability Limit	Not available	
Vapor pressure		No information available
Vapor Density		No information available
Relative Density	1.0 concentrate	No information available
Water solubility		Soluble in water
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition Temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC content (%)	4.00%
Density	8.33 lb/gal
Bulk Density	No information available

10. Stability and Reactivity

<u>Reactivity</u>	
Not applicable	Not applicable

Chemical stability

Stable.

Possibility of hazardous reactions

Temperatures above 130 °F may cause cans to burst with force.

hazardous polymerization	Hazardous polymerization does not occur.
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Conditions to Avoid

Temperatures above 122 °F (50 °C).

Incompatible Materials

Avoid heat, open flame and contact with strong oxidizers. Avoid contact with tile, plastic, leather, copper, painted and varnished surfaces.

Hazardous decomposition products

Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on likely routes of exposure

Product Information	Danger contains Sodium Hydroxide
Inhalation	Vapors may irritate the upper-respiratory tract system. Inhalation of vapor or mist may cause headaches, dizziness and nausea.
Eye Contact	Injurious if sprayed on eyes. Contact with eyes may result on eye damage.
Skin contact	Danger, contains sodium hydroxide. Irritant to skin. Prolonged contact with skin may cause severe burns.
Ingestion	This is an aerosol product, ingestion is unlikely to occur. MAY BE HARMFUL IF SWALLOWED.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water	> 90 mL/kg (Rat)	-	-

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7732-18-5			
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg (Rabbit)	-
N-Butane 106-97-8	-	-	= 658 g/m ³ (Rat) 4 h
Urea 57-13-6	= 8471 mg/kg (Rat)	-	-
Propane 74-98-6	-	-	= 658 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms Vapors may be irritating to eyes, nose, throat, and lungs.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause severe burns after prolonged contact with skin.
Serious eye damage/eye irritation Risk of serious damage to eyes.
corrosivity Contains sodium hydroxide, can be corrosive to skin and eyes.
sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity Not known chronic effects based on available data. None of the ingredients present in excess of 0.1% are listed as carcinogenic by NTP, IARC or OSHA.

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 17749 mg/kg
ATEmix (dermal) 46056 mg/kg
ATEmix (inhalation-gas) 8757000 mg/l
ATEmix (inhalation-dust/mist) 46.1 mg/l
ATEmix (inhalation-vapor) 14403 mg/l

12. Ecological Information

This product does not contain marine pollutants.

ecotoxicity

5.11% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Sodium hydroxide 1310-73-2		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		
Urea 57-13-6		16200 - 18300: 96 h Poecilia reticulata mg/L LC50		3910: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia magna Straus mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

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Chemical name	Partition coefficient
N-Butane 106-97-8	2.89
Urea 57-13-6	-1.59
Propane 74-98-6	2.3

Other adverse effects No information available

13. Disposal Considerations

Waste treatment methods

Disposal of wastes Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Pressurized container: Do not pierce or burn, even after use. Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

Chemical name	California Hazardous Waste Status
Sodium hydroxide 1310-73-2	Toxic Corrosive

14. Transport Information

DOT

UN/ID no	Limited Quantity
Proper Shipping Name	Consumer Commodity
Hazard Class	ORM-D
Marine pollutant	This product does not contain marine pollutants.

15. Regulatory information

International Inventories

TSCA All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

DSL All ingredients are listed or are excluded from listing on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

This product does not contain toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	yes
Chronic Health Hazard	No

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Fire Hazard No
Sudden release of pressure hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hydroxide 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

US State Regulations

California Proposition 65

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
Sodium hydroxide 1310-73-2	X	X	X
N-Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

NFPA	Health Hazards 3	Flammability 1	Instability 1	Physical and chemical properties Not applicable Personal Protection B - Eyes and hands protection
HMIS	Health Hazards 3	Flammability 2	Physical hazards 1	

Prepared by Regulatory Department
Issue date 09-Dec-2015
Revision note
 This SDS supersedes a previous MSDS dated January 17, 2013.

Disclaimer

The information provided in this Material 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 a 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.

End of Safety Data Sheet