



# SAFETY DATA SHEET ( SDS )

Date Revised : 11 / 17  
Supersedes : 07 / 16

**OVEN - SAFE  
OVEN & GRILL CLEANER**

**EASILY REMOVES BAKED – ON GREASE & GRIME  
SAFER TO USE THAN OTHER OVEN CLEANERS  
FUMELESS , SELF – SCOURING FORMULATION**

## SECTION 1 : IDENTIFICATION OF SUBSTANCE / COMPANY

PRODUCT NAME / IDENTIFIER :  
PRIMARY APPLICATION / RECOMMENDED USAGE :

“OVEN - SAFE ” – Oven & Grill Cleaner

A "Ready-To-Use" , Environmentally – Sensitive , Fumeless. Oven Cleaner designed to easily remove burnt , & baked – on food & grease from ovens , grills, stoves, broilers , and non-aluminum barbecue grills . Can be used for porcelain, enamel, or stainless steel oven interiors , including windows, racks, and broiler pans . Safer to use than conventional, more harsh oven cleaners .

DISTRIBUTED EXCLUSIVELY BY :

**HEALTHY CLEAN BUILDINGS**

4 Wilmington Drive

Melville, New York 11747

INFORMATION TELEPHONE :  
EMERGENCY TELEPHONE :  
USAGE RESTRICTIONS :

1-631-643-1882

**INFOTRAC – 1-800-535-5053** ( Ref. Code # – Arrow Oven - Safe )

Refer to Product label

## SECTION 2 : HAZARD(S) IDENTIFICATION

### Classification of the substance or mixture ( GHS-US ) :

Mild Irritant . NOTE : Prolonged contact with skin or eyes may cause minor physical irritation . Ingredients used to make this product are not acutely toxic .

### Label Elements

Hazard Pictograms  
( GHS-US Labeling )



Skin & Eye Irritant

Signal Word :

**Warning**

Hazard Statements :

H303 : May Be Harmful If Swallowed .

H315 : May Cause Skin Irritation .

H320 : May Cause Eye Irritation .

Precautionary Statements : P101 : If medical advice is required, have product container or label available .

P102 Keep Out of Reach of Children

P103 . Read Label Before Use .

P264 : In the Event of Direct Contact , Wash Hands and Forearms Thoroughly After Handling

P305+P351+P338 – If In Eyes via Direct Contact , Rinse Cautiously with Water for Several Minutes .

If Easy To Do, Remove Contact Lenses .Continue Rinsing

P337+P313 – If Eye Irritation Persists , Get Medical Advice / Attention .

Other Hazards : None

Ingredients with Unknown Acute Toxicity : None



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**SECTION 2 : HAZARD(S) IDENTIFICATION**

**Classification of the substance or mixture ( GHS-US ) :**

Not Classified - No Hazardous Components or VOC release into air .

NOTE : Prolonged contact with eyes may cause minor physical irritation . Ingredients used to make this product are not acutely toxic .

**Label Elements :**

No Hazardous Labeling Statements Required

**SIGNAL WORD :** Warning

**Other Hazards :**

No Additional Information Available

**Ingredients with Unknown Acute Toxicity :**

No Data Available

**SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS :**

**Chemical characterization :** A "Ready-To-Use" , Environmentally – Sensitive Oven Cleaner designed to easily remove burnt , & baked – on food & grease from ovens , grills, stoves, broilers , and non-aluminum barbecue grills .

**Component Disclosure :**

<u>Ingredient Name :</u>	<u>CAS # :</u>	<u>% by Weight :</u>	<u>Threshold Limit Value</u>
D'Limonene	5989-27-5	1 – 5 %	N / E
Citric Acid	77-92-9	No Data Available	N / E
Non-Ionic Surfactant	68551-12-2	5 - 10 %	N / E
Xantham Gum	7732-18-5	No Data Available	N / E
Amine Oxide	70592-80-2	No Data Available	N / E
*..Sodium Hydroxide	1310-72-2	No Data Available	2 mg/m3
Water	732 – 18 - 5	No Data Available	N / E

NOTE : This finished product contains a relatively small amount of Sodium Hydroxide compared to other components . This component as a 100% undiluted ingredient is subject to the reporting requirements by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) ; and is considered hazardous . 100% undiluted Sodium Hydroxide is considered Corrosive & Dangerous . May be harmful or fatal if swallowed . Causes burns to eyes and skin with direct contact . May cause respiratory tract irritations . Use proper chemical hygiene to avoid these hazards .

Exact percentages and identities are withhold as trade secrets.



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### **SECTION 4 : FIRST AID MEASURES**

**Description of Necessary Measures :** Review Label & SDS before use .

**General Measures :** Avoid administering anything by mouth to an unconscious person . Seek medical attention under abnormal conditions .  
**After Inhalation :** Supply fresh air . Consult a doctor if adverse conditions persist . Note : Ingredients are not acutely toxic by inhalation .  
**After Skin Contact :** Wash with plenty of soap and water . Remove affected clothing and laundry . If skin irritation or rash persists, seek medical attention .  
**After Eye Contact :** Prolonged exposure may cause mild irritation to the eye tissue if not removed . In case of extreme contact , immediately flush eyes with large quantities of warm running water for 15 minutes , lifting upper and lower lids occasionally . If easy to do, remove contact lenses . Continue water rinsing . Seek medical attention if eye irritation , pain, excessive blinking, or redness persists .  
**After Ingestion :** Call a physician or Poison Control Center immediately . May cause nausea . Rinse mouth . DO NOT induce vomiting . If patient is fully conscious, continue to rinse mouth with water and drink 2-3 glasses of water . If adverse conditions persist , seek medical attention . Never give anything by mouth if victim is conscious , rapidly losing consciousness, or is convulsing .

**NOTE :** Prolonged contact with eyes may cause minor physical irritation . Ingredients used to make this product are not acutely toxic .

### **SECTION 5 : FIRE FIGHTING MEASURES :**

**Suitable Extinguishing Media :** Foam, Dry Powder, Carbon Dioxide, Water Spray, Sand

**Unsuitable Extinguishing Media :** Do Not Use A Heavy Water Stream

**Flammability :** Not Flammable ( Aqueous-based Crème )

**Flashpoint ( °F, °C , PMCC ) :** Non Established = <212°F

**Explosion Hazard :** N/A

**Fire Fighting Instructions :** Use water spray or fog for cooling exposed containers . Exercise caution when fighting any chemical fire . Prevent fire-fighting water from entering environment .

**Special Protective Equipment for Fire Fighters :** Do Not enter fire area without proper protective equipment , including respiratory protection .

### **SECTION 6 : ACCIDENTAL RELEASE MEASURES**

Exercise caution from slipping on leaked / spilled product . Wipe up excess product with a disposable cloth . Rinse several times with water .

**Leak and Spill Procedure :** Collect excess product for disposal . Flush remaining product from spill with water to clean up residue . Absorb slurry with an appropriate liquid-binding absorbent ( ie : sand, diatomite , universal binders , sawdust ) . Collect post - absorbent in empty label container . Store away from other material .

**Precautions To Be Taken in Handling & Storing :** Protect from freezing . Product shelf life is best retained by storing at 45 -100 ° F .

**Environmental Precautions :** Make best efforts to prevent entry into sewers and public waters . This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right-To-Know Act of 1968 and of 40 CFR Part 372 .

### **SECTION 7 : HANDLING & STORAGE REQUIREMENTS**

#### **KEEP OUT OF REACH OF CHILDREN**

**Precautions for Safe Handling :** Read product literature, label , and SDS before use . Use product strictly according to label directions .

Wash hands and other exposed areas with soap and water before eating, drinking, smoking; or when leaving work . Provide adequate ventilation in storage area to prevent the formation of vapors . Avoid personal contamination after a spill .

**Hygiene Measures :** Wash hands and forearms thoroughly after handling . Launder soiled, contaminated clothing before re-use .

**Safe Storage Conditions :** Keep in original container in a cool , well-ventilated place away from open flames or other heat sources . Keep container closed when not in use .

**Incompatible Products :** Strong Alkalis , Strong Acids

**Incompatible Circumstances :** Ignition Sources / Direct Sunlight .



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**SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Workplace Control Parameters :** No Additional Information Is Available

**Local Exhaust :** Not required .

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility . Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

Product Name	ACGIH	NIOSH	OSHA - Final PELs
Oven - Safe	none listed	none listed	none listed

**Exposure Controls :**

**Personal Protective Equipment :** Avoid unnecessary exposure

**Hand protection :** Not necessary but good practice to wear chemical –resistant gloves

**Eye Protection :** Chemical goggles or safety glasses

**Respiratory Protection :** Not necessary but good practice to wear appropriate mask

**Work / Hygienic Practices :** Wash contaminated clothing before re-use .

**Other Information :** Do Not eat, drink, or smoke during use

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State :** Liquid , Opaque

**pH ( as is ) :** Undiluted 11 + / - .5

**Freezing Point :** < 32 °F, < 0 °C

**Solubility in Water :** 100 %

**Explosive Limits :** Undetermined

**Partition coefficient :** ( n-octanol/water ) Undetermined

**Color :** White

**Relative Evaporation Rate :** <1

**Boiling Point :** >212 °F , >100 °C

**Specific Gravity ( Water = 1 ) :** 1.01

**Vapor Pressure :** Same as water

**Auto-ignition Temperature :** Undetermined

**Odor :** Pleasant , Non-Descript

**Melting Point :** Undetermined

**Flashpoint :** >212 °F, >100 °C ASTM D56

**Flammability :** N / E

**Relative Density :** Undetermined

**Decomposition Temp. :** Undetermined

**SECTION 10 : STABILITY AND REACTIVITY**

**Reactivity :** Considered to be non-reactive

**Chemical stability :** Stable under Normal Conditions

**Possibility of Hazardous Reactions :** Not expected to occur with normal handling and storage

**Conditions to Avoid :** Direct Sunlight . Extremely High or Low Temperatures

**Incompatible Materials :** High Alkalis / Low Acids , Strong Oxidizing Agents

**Hazardous Decomposition By-products :** Conventional after effects from Combustion - Carbon monoxide , Carbon dioxide

**Fumes Hazardous Polymerization :** Will not occur

**SECTION 11 : TOXICOLOGICAL INFORMATION**

**Information on Toxicological Effects :**

**Likely Routes of Exposure :** Inhalation , Skin Contact , Eye Contact , Oral Ingestion

**Conditions to Avoid :**

**Inhalation :** Minor Respiratory Irritant Effect . Avoid breathing mist . May cause respiratory irritation . Symptoms are nasal discomfort and coughing .

**Skin Contact :** Minor Irritant Effect as diluted product . Prolonged Exposure May Cause Redness, Cracking of Skin, and Pain . Sensitization possible through prolonged contact .

**Skin Corrosion / Irritation :** May Cause Skin Irritation ( @ pH – 12 ( in concentrate ) )

**Skin Sensitization :** Not classified , except for personal allergic reactions .

**Eye Contact :** May Cause Moderate Irritating Effect As Diluted Product . Prolonged Exposure May Cause Redness, Swelling, Pain and Blurred Vision .

**Serious Eye Damage / Irritation :** May Cause Serious Eye Irritation as concentrate under prolonged conditions .

**Ingestion :** May Be Harmful If Swallowed . May Cause Digestive Irritation , Nausea, or Vomiting



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### TOXICOLOGICAL INFORMATION ( continued ) :

**Respiratory Sensitization** : Not classified ( @ pH – 12 ( in concentrate ) )

**Symptoms Related to the Physical, Chemical, and Toxicological Characteristics** : Use of this product may aggravate pre-existing skin ; eye ; and respiratory disorders including asthma and dermatitis .

**Available Delayed and Immediate Effects ( Chronic Effects from Short and Long Term Exposure )** : No Further Information

**Measures of Toxicity** : No Further Information Available

**Teratogenicity, Mutagenicity** : No Data Available

**Reproductive Toxicity** : Not Classified

**Specific Target Organ Toxicity ( Single Exposure )** : Not Classified

**Specific Target Organ Toxicity ( Repeated Exposure )** : Not Classified

**Carcinogenic Categories** : This product does not contain any substances that are considered by ACGIH, OSHA, or NTP to be human carcinogens .

**NTP ( National Toxicity Program )** : None of the Ingredients are listed as of this date .

**IARC ( International Agency for Research on Cancer )** : None of the Ingredients are listed as of this date .

**OSHA ( Occupational Safety and Health Administration )** : None of the Ingredients are listed as of this date .

**Acute Toxicity** :

**Ingredient Information** : D-Limonene -- (4R)-4-Isopropenyl-1-methylcyclohexene ( cas# 5989-27-5 ) : This ingredient is stable and non-reactive under normal conditions . No dangerous reaction known under conditions of normal use.

Product Ingredient	Draize Test	LD50 Skin	LD50 Oral	LD50 Oral
D-Limonene -- (4R)-4-Isopropenyl-1- methylcyclohexene ( cas# 5989-27-5 )	Skin: 10%/24H Mild ( Rabbit )	= >5gm/kg ( Rabbit )	=5600 mg / kg ( Mouse )	=4400 mg / kg ( Rat )

( Source : file:///C:/Documents%20and%20Settings/Stam/My%20Documents/Downloads/(en-GB)068073\_1.00%20(6).pdf )

Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Ingredient Information** : Citric Acid, Anhydrous ( cas # : 77-92-9 )

Product Ingredient	LD50 Oral	LD50 Dermal	LD50 Inhalation
Citric Acid, Anhydrous ( cas # : 77-92-9 )	= 3000 mg / kg ( Rat )	Not Determined	Not Determined

ps://www.durhamtech.edu/faculty/safety/MSDS%20Files/MSDS%20-%20Chemistry/Citric%20Acid,%20Anhydrous%20%20cas77-92-9%20%20SDS.pdf

**Ingredient Information** : Xanthan Gum ( cas # : 11138-66-2 )

Product Ingredient	LD50 Oral	LD50 Dermal	LD50 Inhalation
Xanthan Gum ( cas # : 11138-66-2 )	10200 mg / kg ( Rat )	Not Determined	Not Determined

https://www.nugentec.com/documents/Xanthan%20Gum\_(USA)\_EN\_sds.pdf



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**TOXICOLOGICAL INFORMATION ( continued ) :**

**Ingredient Information : Acute Toxicity - Sodium Hydroxide ( cas # 1310-73-2 ) – See Below**

Product Ingredient :	Standard :	Test :	Species :	Result :	Exposure :
Sodium Hydroxide ( cas # 1310-73-2 )	LD 50 / LC 50	Draize	Rabbit	Eye : 400 ug. Mild	
This finished product contains a relatively small amount of Sodium Hydroxide compared to other components . This component as a 100% undiluted ingredient is subject to the reporting requirements by the 2012 OSHA Hazard Communication Standard .(29 CFR 1910.1200) ; and is considered hazardous . 100% undiluted Sodium Hydroxide is considered Corrosive & Dangerous .	LD 50 / LC 50	Draize	Rabbit	Eye : 1% Severe	
	LD 50 / LC 50	Draize	Rabbit	Eye: 50 ug.	24 hr. Severe
	LD 50 / LC 50	Draize	Rabbit	Eye : 1 mg.	24 hr. Severe
	LD 50 / LC 50	Draize	Rabbit	Skin : 500 mg.	24 hr. Severe

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

**Eye Irritation** : Irritating to eyes

**Skin Corrosion / Irritation** : Not classified

**Skin Sensitization** : Not classified , except for personal allergic reactions .

**Serious Eye Damage / Irritation** : Not classified

**Respiratory Sensitization** : Not classified

**Carcinogenicity** : The table below indicates whether each agency has listed any ingredient as a carcinogen :

Product	IARC	NTP	ACGIH	OSHA	
Oven Safe	Not Listed	Not Listed	Not Listed	Not Listed	

**NOTE : Carcinogenic Categories :**

**NTP ( National Toxicity Program )** : None of the Ingredients are listed as of this date, greater than, or equal to 0.1 % .

**IARC ( International Agency for Research on Cancer )** : None of the Ingredients are listed as of this date, greater than, or equal to 0.1 %

**OSHA ( Occupational Safety and Health Administration )** : None of the Ingredients are listed as of this date, greater than, or equal to 0.1 %



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**SECTION 12 : ECOLOGICAL INFORMATION**

**ENVIRONMENTAL ACCREDITATION :** This finished product ( Oven- Safe ) used as per label directions is not considered to be a harmful to human life or hazardous to the environment .

**ECOTOXICITY :**

**Aquatic Toxicity ( Oven- Safe ) :** .....No Additional Information Available

**Terrestrial Toxicity ( Oven- Safe ) :** .....No Additional Information Available

**Mobility ( Oven- Safe ) :** ..... Will likely be mobile in the environment due to its water solubility

**Persistence and Degradability Soluble in water ( Oven- Safe ) :** Persistence is unlikely based on information available.

**Bio- accumulation / Accumulation ( Oven- Safe ) :** No information available.

**Ingredient Information : D'Limonene**

Product Ingredient	( Aquatic ) Fish	( Aquatic ) Fish
D-Limonene -- (4R)-4-Isopropenyl-1- methylcyclohexene ( cas# 5989-27-5 )	LC 50 = 96 hour = 0,702 mg/l - Pimephales promelas (fathead minnow)	EC 50 = 48 hour = 69.6mg/l - Daphnia pulex (water flea)

( Source : file:///C:/Documents%20and%20Settings/Stan/My%20Documents/Downloads/(en-GB)068073\_1.00%20(6).pdf )

**Ingredient Information : Citric Acid**

Product Ingredient	( Aquatic ) Fish	( Aquatic ) Fish
Citric Acid, Anhydrous ( cas # : 77-92-9 )	LC 50 = 96 hour = 1516 mg / l [static] Lepomis Macrochirus	EC 50 = 72 hour = 120 mg/l - Daphnia Magna

<https://www.durhamtech.edu/faculty/safety/MSDS%20Files/MSDS%20-%20Chemistry/Citric%20Acid,%20Anhydrous%20%20cas77-92-9%20%20SDS.pdf>

**OTHER ADVERSE EFFECTS :**

**Effect on Ozone Layer** ..... No Additional Information Available

**Effect on Global Warming :** ..... No Additional Information Available - No known ecological damage caused by this product .



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**SECTION 13 : DISPOSAL CONSIDERATIONS**

**Methods of Disposal :** The generation of waste should be avoided or minimized wherever possible . Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant . Dispose of surplus and non-recyclable products via a licensed waste disposal contractor . Disposable of this product , and any by-product should at all times comply with the requirements of environmental and waste disposal legislation ; and any regional local authority requirements . Avoid dispersal of spilt material and run-off and contact with soil, waterways, drains, & sewers .

**Waste Disposal Recommendations :** Dispose in safe manner in accordance with local / state/federal regulations . Dispose of contents / container in accordance with local/regional/national/international regulations . Can be incinerated with waste stream after consulting with the waste disposal facility operator and the pertinent authorities while adhering to the necessary regulations .

**Packaging Disposal :** Waste packaging should be recycled . Incineration or landfill should only be considered when recycling is not feasible . This material and its container must be disposed of in a safe way . Care should be taken when handling emptied containers that have not been cleaned or rinsed out . Empty containers or liner may retain some product residues . Do Not cut, weld, or grind used containers unless they have been cleaned thoroughly internally . Avoid dispersal of spilt material and run-off and contact with soil, waterways, drains, & sewers .

**Ecology – Waste Materials :** Avoid release into environment .

**Recommended Cleansing Agents :** Water Only ,

**SECTION 14 : TRANSPORT INFORMATION**

<b>INTERNATIONAL REGULATIONS :</b>	<u>IATA – DGR</u> Not regulated as a dangerous good	<u>IMDG – Code</u> Not regulated as a dangerous good
<b>NATIONAL REGULATIONS :</b>	<u>DOT</u> Not regulated as a dangerous good	<u>49 CFR</u> Not regulated as dangerous good

**Notes :** Not regulated when shipped domestically by ground in containers = / < 119 gallons .  
Shipping descriptions may vary based on mode of transport, quantities, package size, or origin and destination . If any doubt , check with a trained hazardous materials transportation expert regarding specific situations .





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**SECTION 15 : REGULATORY INFORMATION**

**US-EPA ( Environmental Protection Agency ) :**

**EPA TSCA Inventory :** All chemical ingredients of this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances .

**SARA Title III Sections 302 / 304, 311 / 312 / 313 Chemical Listings :** Not Hazardous . None or none present in regulated quantities . This material does not contain any chemical components with known CAS numbers that exceed the threshold ( De Minimis ) reporting levels established by SARA sections.

**CERCLA Reportable Quantity ( RQ ) :** This material does not contain any components with a CERCLA RQ . This product is not subject to reporting requirements under CERCLA .

**CLEAN AIR ACT :** This product does not contain any hazardous air pollutants ( HAP ) , as defined by the U.S. Clean Air Act Section 12 ( 40 CFR 61 ) . This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112 ( r ) for Accidental Release Prevention ( 40 CFR 68.130, Subpart F ) . This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC's ( 40 CFR 60.489 ) . This product does not contain any VOC exemptions listed under the U.S., Clean Air Act Section 450.

**CLEAN WATER ACT :** This product does not contain any toxic pollutants listed under the U.S. Clean Water Act, Section 307 .

**California Proposition 65 :** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm .

**Canada :** All ingredients of this product are on the Canadian DSL .

**SECTION 16 : OTHER INFORMATION**

HMIS Rating		GHS classification ratings order of severity differ from NFPA and HMIS	
HEALTH	1	HMIS/NFPA Hazard Ratings	GHS Hazard Categories
FLAMMABILITY	0	0= Minimal Hazard	Cat 1 ~ Severe Hazard
PHYSICAL HAZARD	0	1= Slight Hazard	Cat 2 ~ Serious Hazard
PERSONAL PROTECTION	B	2= Moderate Hazard	Cat 3 ~ Moderate Hazard
		3= Serious Hazard	Cat 4 ~ Slight Hazard
		4= Severe Hazard	Cat 5 ~ Minimal Hazard

**DISCLAIMER :** This document is intended to provide a brief summary of our present knowledge and guidance regarding the use of this material . The information set forth herein has been compiled from sources to be dependable and is believed to be accurate as of the date of issuance . This information is offered in good faith by HEALTHY CLEAN BUILDINGS and no warranty, expressed or implied, is made . The user assumes all liability for any damage or injury resulting from misuse, from any failure to adhere to recommended practices according to product label ( and such ), or from any hazards inherent in the nature of the product . This document shall not constitute a guarantee for any specific product features and shall not establish a legally valid contracted relationship.

Footnotes : CALC-Calculated; COR-Corrosive; CS-Cancer Suspect Agent; EST-Estimated; HMIS-Hazardous Material Identification System; NA-Not Applicable; ND-No Data ; NE – Data Not Established; OX- Oxidizer; PEL-Permissible Exposure Limit; PPI-Personal Protection Index ; STEL-Short Time Exposure Limit; TLV-Threshold Limit Value; TS-Trade Secret ; TWA-Time Weighted Average