

# Material Safety Data Sheet

Issuing Date 26-Apr-2007

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Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Great Value (GV) Fume Free Oven Cleaner

**Recommended Use** Oven Cleaner - Aerosol.

### Supplier Address

KIK International  
33 MacIntosh Blvd, Concord, Ontario,  
L4K 4L5  
CA  
Phone:905-660-0444  
Fax:905-660-7333  
Contact:Scott Walker  
Contact Phone:1-479-845-2750  
Emergency Phone: 1-800-424-9300

**Company Emergency Phone Number** 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**DANGER!**

### Emergency Overview

Flammable Aerosol  
Irritating to eyes  
Vapors may be irritating to eyes, nose, throat, and lungs  
May cause drowsiness and dizziness

**Appearance** Beige

**Physical State** Aerosol, Liquid.

**Odor** Lemon

### Potential Health Effects

#### Principle Routes of Exposure

Inhalation. Skin contact. Eye contact.

#### Acute Toxicity

##### Eyes

Contact with eyes may cause irritation.

##### Skin

Substance may cause slight skin irritation.

##### Inhalation

Harmful by inhalation.

##### Ingestion

Harmful if swallowed. Ingestion may cause irritation to mucous membranes.

#### Chronic Effects

Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risks of irreversible effects.

#### Aggravated Medical Conditions

Central nervous system. Pre-existing eye disorders. Skin disorders.

#### Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

#### Environmental Hazard

See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
N-Butane	106-97-8	3-7
Carbonic acid, dipotassium salt	584-08-7	3-7
Ethanolamine	141-43-5	3-7
Tripropylene glycol monomethyl ether	25498-49-1	3-7
D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	1 - 5
Smectite-group minerals	12199-37-0	0.1 - 1
Fragrance (Irritating to the eyes and skin)	Fragrance	0.1 - 1

### 4. FIRST AID MEASURES

<b>General Advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin Contact</b>	Immediate medical attention is required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air. Call a physician or Poison Control Center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Ingestion</b>	Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Containers may explode when heated.
<b>Flash Point</b>	22C / 72F
<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ).
<b>Uniform Fire Code</b>	<ul style="list-style-type: none"> <li>• Aerosols: Level III</li> <li>• Irritant: Liquid</li> </ul>
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	No.
<b>Sensitivity to Static Discharge</b>	Yes.
<b>Specific Hazards Arising from the Chemical</b>	Some may burn but none ignite readily. Ruptured cylinders may rocket.

#### Protective Equipment and Precautions for Firefighters

Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists

**NFPA**                      **Health Hazard 2**                      **Flammability 4**                      **Stability 0**                      **Physical and Chemical Hazards -**

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Keep people away from and upwind of spill/leak.
<b>Environmental Precautions</b>	Do not allow material to contaminate ground water system. Should not be released into the environment. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Pick up and transfer to properly labeled containers.
<b>Other Information</b>	Refer to protective measures listed in Sections 7 and 8.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Avoid breathing vapors or mists. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans.
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat and sources of ignition.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
N-Butane 106-97-8	TWA: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Ethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m <sup>3</sup> (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m <sup>3</sup> (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m <sup>3</sup>	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

<b>Other Exposure Guidelines</b>	Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).
<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin and Body Protection</b>	No special protective equipment required.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene Measures</b>	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Beige.	<b>Odor</b>	Lemon.
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Aerosol Liquid
<b>pH</b>	12		
<b>Flash Point</b>	72F / 22C	<b>Autoignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available	<b>Boiling Point/Range</b>	No information available
<b>Melting Point/Range</b>	No information available		
<b>Flammability Limits in Air</b>	No information available	<b>Explosion Limits</b>	No information available
<b>Water Solubility</b>	Soluble in water.	<b>Solubility</b>	No information available
<b>Evaporation Rate</b>	No information available	<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available	<b>Partition Coefficient: n-octanol/water</b>	

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Products</b>	Incompatible with strong acids and bases. Incompatible with oxidizing agents.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Hazardous Decomposition Products</b>	Thermal decomposition can lead to release of irritating gases and vapors.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	Harmful by inhalation, in contact with skin and if swallowed.
<b>Irritation</b>	Causes severe irritation and or burns

### Chronic Toxicity

<b>Chronic Toxicity</b>	Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risks of irreversible effects.
<b>Target Organ Effects</b>	Central nervous system (CNS). Eyes. Respiratory system. Skin.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic organisms.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethanolamine	EC50: 15 mg/L (72 h ) Desmodesmus subspicatus	LC50: 227 mg/L (96 h flow-through) Pimephales promelas LC50: 3684 mg/L (96 h static) Brachydanio rerio LC50: 300-1000 mg/L (96 h static) Lepomis macrochirus LC50: 114-196 mg/L (96 h static) Oncorhynchus mykiss LC50: > 200 mg/L (96 h flow-through) Oncorhynchus mykiss	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	EC50: 65 mg/L (48 h ) Daphnia magna
Tripropylene glycol monomethyl ether		LC50: 11619 mg/L (96 h static) Pimephales promelas		EC50: > 10 mg/L (48 h ) Daphnia magna

Chemical Name	Log Pow
N-Butane	2.89
Ethanolamine	-1.91

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods</b>	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
<b>Contaminated Packaging</b>	Dispose of in accordance with local regulations. Do not re-use empty containers.
<b>US EPA Waste Number</b>	D001
<b>California Hazardous Waste Codes</b>	561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

## 14. TRANSPORT INFORMATION

<b>Emergency Response Guide Number</b>	126
<b>DOT Description</b>	CONSUMER COMMODITY, ORM-D
<b>TDG Description</b>	UN1950, AEROSOLS, 2.1
<b>MEX Description</b>	UN1950 AEROSOLS, 2.1
<b>ICAO Description</b>	UN1950, AEROSOLS, 2.1
<b>IATA Description</b>	UN1950, AEROSOLS, FLAMMABLE, 2.1

**14. TRANSPORT INFORMATION**

**IMDG/IMO**

**Description**

UN1950, AEROSOLS, 2.1, FP 22C

## 15. REGULATORY INFORMATION

### International Inventories

TSCA Complies  
DSL Not determined

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Trippropylene glycol monomethyl ether	25498-49-1	3-7	1.0

#### **SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
Chronic Health Hazard Yes  
Fire Hazard Yes  
Sudden Release of Pressure Hazard Yes  
Reactive Hazard No

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Ethanolamine	141-43-5	3-7		Group I		
Trippropylene glycol monomethyl ether	25498-49-1	3-7				

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### **U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Trippropylene glycol monomethyl ether			X	X	X
Morpholine	X	X	X		
N-Butane	X	X	X		
Ethanolamine	X	X	X	X	

### International Regulations

Mexico - Grade Slight risk, Grade 1

Chemical Name	Carcinogen Status	Exposure Limits
Morpholine		Mexico: TWA 20 ppm Mexico: TWA 70 mg/m <sup>3</sup> Mexico: STEL 30 ppm Mexico: STEL 105 mg/m <sup>3</sup>
N-Butane		Mexico: TWA 800 ppm Mexico: TWA 1900 mg/m <sup>3</sup>
Ethanolamine		Mexico: TWA 3 ppm Mexico: TWA 8 mg/m <sup>3</sup> Mexico: STEL 6 ppm Mexico: STEL 15 mg/m <sup>3</sup>

#### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### WHMIS Hazard Class

B5 Flammable aerosol

D2B Toxic materials



### 16. OTHER INFORMATION

**Issuing Date** 26-Apr-2007  
**Revision Date** 24-Aug-2007  
**Revision Note** No information available

#### General 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 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**