

G.K. Chemical Specialties Co. Inc. 90 Barbados Blvd. Scarborough, Ontario M1J 1K9

Tel: (416) 261-7182 Fax: (416) 261-5663

Material SAFETY DATA SHEET

| PRODUCT NAME: | Oven Buddy | - Oven. Frver | and Grill Cleaner |
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| HEALTH HAZARD RATING: | SERIOUS HAZARD - major injury likely unless prompt action is taken and medical treatment is given |
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| FLAMMABILITY HAZARD | MINIMAL HAZARD – materials which are normally stable and will not burn unless |
| RATING: | heated |
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| REACTIVITY HAZARD | SLIGHT HAZARD – materials which are normally stable, but can become unstable at |
| RATING: | high temperatures and pressures. These materials may react with water, but will not release energy violently |
| PERSONAL PROTECTION: | Safety glasses + Gloves + Vapor Respirator |
| | |
| HAZADD ALEDZICION | HEALTH HAZARD Estama don and |
| HAZARD ALERT SIGN: | HEALTH HAZARD – Extreme danger |
| | FIRE HAZARD – Will not burn |
| | REACTIVITY – Unstable if heated |
| | SPECIFIC HAZARD – Corrosive |

$SECTION\ I-{\tt MATERIAL\ IDENTIFICATION\ AND\ USE\ /\ IDENTIFICATION\ DE\ LA\ MATIÉRE\ ET\ USAGE}$

MATERIAL NAME / IDENTIFIER - NOM / IDENTIFICATION DE LA MATIÉRE Oven Buddy Oven, Fryer and Grill Cleaner MANUFACTURER'S NAME AND ADDRESS/ G.K. Chemical Specialties Co. Inc. NOM DU FABRICANT – ADRESSE 90 Barbados Blvd. EMERGENCY PHONE NO. / Nº DE TÉLÉPHONE D'URGENCE Scarborough, Ontario M1J 1K9 (416) 261-7182 / 905 427-7605 SUPPLIER'S NAME AND ADDRESS/ NOM DU FOURNISSEUR - ADRESSE EMERGENCY PHONE NO. / N° DE TELEPHONE DURGENCE CHEMICAL NAME / DÉNOMINATION CHIMIQUE Not Applicable CHEMICAL FAMILY / FAMILLE CHIMIQUE Alkali CHEMICAL FORMULA / FORMULE CHIMIQUE Not Applicable TRADE NAME AND SYNONYMS / APPELLATION COMMERCIALE Not Applicable ET SYNONYMES MOLECULAR WEIGHT / POIDS MOLÉCULAIRE Not Applicable MATERIAL USE / UTILISATION DE LA MATIÉRE Cleaning

- G.K. Chemical Specialties Co. Inc. has compiled the information and recommendations contained in this Material Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation.
- G.K. Chemical Specialties Co. Inc. extends no warranty and assumes no responsibility as to the accuracy of the content or sufficiency of the information and expressly disclaims all liability for reliance thereon. This MSDS provides guidelines for the safe handling of this product. It does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required. Individuals exposed to this product should read and understand this information and be provided pertinent training prior to working with this product.
- G.K. Chemical Specialties Co. Inc. assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.

<u>INGREDIENTS.</u> This MSDS, under section of Ingredients, contains all ingredients listed under INGREDIENT DISCLOSURE LIST P.C. 1987-2719, 20/1/88 CANADA GAZETTE PART II VOL. 122, No 2 of HAZARDOUS PRODUCT ACT.

Percentage range of concentration of ingredients is expressed as percentage by weight of the total weight of the product. Ingredient List does not necessarily list all ingredients in the formulation and does not necessarily list all ingredient range of concentration, other than ingredients under the Disclosure List.

- <u>T.L.V.</u> (units) or Threshold Limit Values refer to the limiting concentrations recommended by the Ministry of Labour. These values were adopted by the American Conference of Governmental Industrial Hygienists (A.C.G.I.H.). The figures refer to time-weighted average concentrations as P.P.M. (V/V) or mg/m³ for a normal working day or at any time for some materials.
- <u>"C.A.S REG. No."</u> means the identification number assigned to a chemical substance by the Chemical Abstracts Service Division of the American Chemical Society.
- <u>"LC 50"</u> means the concentration of a substance in air that when administered by means of inhalation over a specified length of time in an animal assay, is expected to cause the death of 50 per cent of a defined animal population.
- "LD 50" means the single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause death of 50 per cent of a defined animal population.

<u>FLASH POINT.</u> The minimum temperature at which a substance gives off flammable vapors which in contact with spark or flame will ignite.

| SECTION II – HAZARDOUS INGREDIENTS OF MATERIAL / INGRÉDIENTS DANGEREUX DE LA MATIÉRE | | | | |
|--|---|--|--|---|
| HAZARDOUS INGREDIENTS / INGREDIENTS DANGEREUX | APPROXIMATE CONCENTRATION% CONCENTRATION APROXIMATIVE % | C.A.S., N.A. OR U.N. NUMBERS / NUMERO CAS NA OU CNU | LD50 {SPECIFY SPECIES & ROUTE} DL50 {PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION} | LC 50 {SPECIFY SPECIES & ROUTE} CL50 {PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION |
| Potassium hydroxide 90% | 15 – 25 | 1310-58-3 | LD 50 Oral Rat 365 mg | t/kgm |
| Potassium polyphosphate | 15 – 25 | Non Hazardous | | |
| Water and other Non Hazardous ingredients | Balance | Non Hazardous | | |
| | | | Potassium Hydroxide o | r Caustic Potash |

SECTION III – PHYSICAL DATA FOR MATERIAL / CARACTÉRISTIQUES PHYSIQUES DE LA MATIÉRE

| | 01211211402011110140202222 |
|---|--------------------------------|
| PHYSICAL STATE / ÉTAT PHYSIQUE | Liquid |
| ODOUR AND APPEARANCE / ODEUR ET APPARENCE | Clear liquid – no odour |
| ODOUR THRESHOLD (P.P.M.) / SEUIL DE L'ODEUR (PPM) | Not Applicable |
| SPECIFIC GRAVITY / DENSITE RELATIVE | $1.2 \pm 0.02 \text{ gm/cm}^3$ |
| VAPOUR PRESSURE [MM] / TENSION DE VAPEUR [MM] | < 25 at 20 °C |
| VAPOUR DENSITY [AIRE = 1] / DENSITE DE VAPEUR [AIR =1] | ~ Water |
| EVAPORATION RATE / TAUX D'ÉVAPORATION | ~ Water |
| BOILING POINT [°C] / POINT D'ÉBULLITION [°C] | 100 °C |
| FREEZING POINT [°C] / POINT DE CONGELATION [°C] | 0 °C |
| SOLUBILITY IN WATER [20°C] / SOLUBILITÉ DANS L'EAU [20°C] | Infinite |
| % VOLATILE [BY VOLUME] / % VOLATILITÉ [PAR VOLUME] | 76 <u>+</u> 1 |
| PH | 13.9 <u>+</u> 0.4 |
| COEFFCIENT OF WATER / OIL DISTRIBUTION / COEFFICIENT DE RÉPARTITION EAU / HUILE | Not Applicable |

SECTION IV – FIRE AND EXPLOSION HAZARD OF MATERIAL/RISQUES D'INCENDIE ET D'EXPLOSION DU MATÉRIEL

| MATERIEL | |
|--|----------------|
| FLAMMABILITY / INFLAMMABILITÉ YES / OUI | |
| <u>X</u> NO/NON | |
| IF YES, UNDER WHICH CONDITIONS? / SI OUI, DANS QUELLES | |
| CONDISIONS? | |
| | |
| MEANS OF EXTINCTION / MOYENS D'EXTINCTION | None Required |
| | 1 |
| | |
| SPECIAL PROCEDURES / MARCHE A SUIVRE SPÉCIALE | None Required |
| | 1 |
| EL ACTIDODATE (ACT. LAID MEETIOD / DODATE DAÉCE A ID (ACT. ET | X |
| FLASHPOINT [°C] AND METHOD / POINT D'ÉCLAIR [°C] ET MÉTHODE DE DÉTERMINATION | Not Applicable |
| METHODE DETERMINATION | |
| VIDED TVDV COVOVA DATE OF DAVIOUS PROPERTY AND | |
| UPPER EXPLOSION LIMIT [% BY VOLUME]/ SEUIL MAXIMAL | Not Applicable |
| D'INFLAMMABILITÉ [% PAR VOLUME] | |
| | |

| LOWER EXPLOSION LIMIT [% BY VOLUME]/ SEUIL MINIM D'INFLAMMABILITÉ [% PAR VOLUME] | AL Not Applicable | |
|---|--------------------|--|
| AUTOIGNITION TEMPERATURE [°C] / TEMPÉRATURE D'AU INFLAMMATION [°C] | TO- Not Applicable | |
| HAZARDOUS COMBUSTION PRODUCTS / PRODUITS DE COMBUSTION DANGEREUX | None | |
| EXPLOSION DATA / DONNÉES SUR L'EXPLOSIBILITÉ | | |
| SENSITIVITY TO MECHANICAL IMPACT / SENSIBILITÉ AUX CHOCS | Not Applicable | |
| SENSITIVITY TO STATIC DISCHARGE / SENSIBILITÉ AUX DÉCHARGES ÉLECTROSTATIQUES | Not Applicable | |

SECTION V - REACTIVITY DATA / DONNÉES SUR LA RÉACTIVITÉ

| CHEMICAL STABILITY / STABILITÉ CHIMIQUE _X_ YES / OUI NO/NON IF NO, UNDER WHICH CONDITIONS? / SI NON-, DANS QUELLES CONDISIONS? | Under normal conditions |
|---|---|
| INCOMPATIBILITY TO OTHER SUBSTANCES / INCOMPATIBILITÉ AVEC D'AUTRES SUBSTANCES _X_ YES / OUI NO/NON IF SO, WHICH ONES? / SI OUI, AVEC LESQUELLES? | Organic chemicals, nitrocarbons, halocarbons and metals such as aluminum, zinc and tin |
| REACTIVITY AND UNDER WHAT CONDITIONS / RÉACTIVITÉ – DANS QUELLES CONDITIONS? | Flammable hydrogen gas may be generated when product react with metals and alloys mentioned above |
| HAZARDOUS DECOMPOSITION PRODUCTS / PRODUITS DE DÉCOMPOSITION DANGEREUX | None |

SECTION VI – TOXICOLOGICAL PROPERTIES OF MATERIAL / PROPRIÉTÉS TOXICOLOGIQUES DE LA MATIÉRE

| DECITOR VI TOMEODOGICALINGI ENTES OF WHITEMEN, TROTALINES TOMEODOGIQUES DE EN | | |
|--|---|--|
| MATIÉRE | | |
| ROUTE OF ENTRY / VOIE D'AD | MINISTRATION | |
| X SKIN CONTACT / CONTAC | CT AVEC LA PEAU SKIN ABSORPTION / ABSORPTION PAR LA PEAU | |
| X EYE CONTACT / CONTAC | T OCULAIRE X INHALATION ACUTE / INHALATION AIGUE | |
| _ INHALATION CHRONIC / II | | |
| EFFECTS OF ACUTE EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION AIGUE A LA MATIERE | INHALATION: Mists are extremely corrosive to the entire respiratory tract. Breathing mists can destroy the mucous membrane and can cause severe pneumonitis. EYE CONTACT: Extremely corrosive. Brief contact causes severe eye damage and prolonged contact may cause permanent eye injury, which may be followed by blindness. SKIN CONTACT: Extremely corrosive to the skin and rapidly cause severe chemical burns. INGESTION: Severe burns, extreme pain, permanent damage. | |
| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION CHRONIQUE A LA MATIERE | Destruction of skin tissue or primary irritant dermatitis. Inhalation of mists may cause varying degrees of damage to the affected tissue and also increasing susceptibility to respiratory illness. | |

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| LD 50 OF MATERIAL [SPECIFY SPECIES & ROUTE] / LD50 DE LA MATIÉRE [PRECISER L'ESPECE ET LA VOIE D'ADMINISTRATION] | LD50 Oral Rat 2000 mg/kgm LD50 Rabbit Dermal 3200 mg/kgm |
|---|--|
| LC50 OF MATERIAL [SPECIFY SPECIES & ROUTE] LC50 DE LA MATIÉRE / [PRECISER L'ESPECE ET LA VOIE D'ADMINISTRATION] | Not Established |
| EXPOSURE [LIMITS] / LIMITS D'EXPOSITION | 11 mg/m ³ Averaged over 8 hours |
| IRRITANCY OF MATERIAL/PROPRIÉTÉ IRRITANTE DE LA MATIÉRE | Eyes, skin, respiratory tract |
| SENSITIZATION OF MATERIAL / SENSIBILISATION A LA MATIÉRE | Eyes, skin, respiratory tract |
| SYNERGISTIC MATERIALS / MATÉRES SYNERGIQUES | Trichloroethyle (see additional notes) |
| CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENCITY / CANCÉROGÉNICITÉ, EFFETS NOCIFS SUR LA REPRODUCTION, TÉRATOGÉNÉCITÉ, MUTAGÉNICITÉ | This material is not considered to be carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration |

SECTION VII - PREVENTIVES MEASURES / MESURES PRÉVENTIVES

| PERSONAL PROTECTIVE EQUIPMENT / MATI | ÉRIEL PERSONNEL DE PROTECTION |
|---|---|
| GLOVES (SPECIFY) GANTS [PRÉCISER] | Plastic or rubber gloves |
| EYE [SPECIFY] / YEUX [PRÉCISER] | Glasses, Goggles |
| RESPIRATORY (SPECIFY) / APPAREIL RESPIRATOIRE (PRÉCISÉR) | For most jobs respiratory protection may not be required. However, a spray application will create mists. For such an application, in absence of proper environmental control, use NIOSH approved respiratory. |
| OTHER (SPECIFY) / AUTRES (PRCISER) | Full protective suit (alcale resistant) is recommended whenever there is a possibility that this product could come in contact with clothing or skin. |
| ENGINEERING CONTROLS [E.G. VENTILATION, ENCLOSED PROCESS, SPECIFY] / MÉCANISMES TECHNIQUES [EX. VENTILATION, OPÉRATION EN MILIEU FERMÉ, PRÉCISER] | General Ventilation, or local for spray applications. |
| LEAK AND SPILL PROCEDURE / MESURES EN CAS DE FUITE OU DE DÉVERSEMENT | Small quantities may be flushed with copious amounts of water; in case of large amounts, contain liquid. Use diluted phosphoric or hydrochloric acid to cautiously neutralize. |
| WASTE DISPOSAL / ÉLIMINATION DES RÉSIDUS | Small amounts sanitary sewer. Large amounts must neutralize prior to allowing into sanitary system. Consult appropriate federal, and local regulatory agencies to ascertain proper disposal procedures. |
| HANDLING PROCEDURES AND EQUIPMENTS / MÉTHODES ET ÉQUIPEMENT POUR LA MANUTENTION | Handle with care. Avoid any contact with eyes, skin. Avoid inhalation of mists. Wash thoroughly after handling. |
| STORAGE REQUIREMENTS / EXIGENCES D'ENTREPOSAGE | Store in closed containers away from children. Store above 0 °C |
| SPECIAL SHIPPING INFORMATION / RENSEIGNEMENTS SPÉCIAUX POUR L'EXPÉDITION | Potassium hydroxide, solution or caustic potash, solution class 8 (9.2), PIN # 1814, Pkg II |

SECTION VIII – FIRST AID MEASURES / PREMIERS SOINS

EYE CONTACT: Immediately flush with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention:

SKIN CONTACT: Immediately wash skin with lots of water. If available neutralize with diluted vinegar or lemon juice. Remove contaminated clothing and shoes; wash before reuse. Get medical attention.

IF SWALLOWED: Do not induce vomiting. If conscious, give lots of water or milk, then diluted vinegar, lemon juice or orange juice. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person. INHALATION: Remove to fresh air. Give artificial respiration if not breathing. Oxygen may be given if necessary. Call a physician and/or transport to a medical facility.

ADDITIONAL INFORMATION /

RENSEIGNEMENTS SUPPLÉMENTAIRES

SECTION IX - PREPARATION DATE OF M.S.D.S. / FICHE SIGNALÉTIQUE

PREPARED BY: Gus Kaklamanos - CHEMIST

TELEPHONE NO.: (416) 2617182

DATE: January 5, 2015

ADDITIONAL NOTES OR REFERENCES / NOTES ADDITIONNELLES OU RÉFÉRENCES:

This product may react with trichlorethylene to form dichloracetylene, which is spontaneously flammable. Do not contact this product with organic peroxides or explosives.

WHMIS CLASSIFICATION: Class E

Class D, 2A & 2B