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**G50 SMD oven basic cleaner**

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**2. COMPOSITION/ INFORMATION ON INGREDIENTS****2.2 Chemical Ingredients**

2.2.1 Description: Cleaner on the basis of non-ionogenic tensides 5-15%, anorganic salts, soubilizer, solvent agents water based and colorants

2.2.2 Components contributing to hazard	2.2.3 CAS-No.	2.2.4 Contents	Risk Phrases
Potassium hydroxide	1310-58-3	2-5% C	R35

:

2.2.6 Additional information:

**3. HAZARDS IDENTIFICATION**

Special dangers for individuals and environment. Product is irritant. When reacting with acids strong exothermic reactions are possible.

**4. FIRST-AID MEASURES**

4.1 General Information : Product is irritant

4.2 Inhalation : inhale pulmicort spray. Possibly external help to breath

4.3 Skin contact : Wash off with lot of water and soap for 15 minutes. Consult physician in case irritation persists.

4.4 Eye contact : Rinse with lot of water for 10 minutes and consult an eye doctor

4.5 Ingestion : Drink a lot of water. Do not induce vomiting and consult doctor

4.6 Note to physician : Alcalic solution

**5. FIRE-FIGHTING MEASURES****5.1 Specific fire or exposition hazards:**Water, spray, foam, CO<sub>2</sub>, power.**5.2 Protection of Firefighters:****6. ACCIDENTAL RELEASE MEASURES**

6.1 Personal precautions : Wear suitable protective clothing.

6.2 Environmental Precautions : Keep away from drains, surface water, ground water and soil.

6.3 Methods of cleaning up : Absorb with sand or other binding material

6.4 Additional information :

**7. HANDLING AND STORAGE****7.1 Handling**

Only use and storing in original container.

**7.2 Storage**

No special storage necessary.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION****8.1 Engineering controls****8.2 Exposure guidelines**

8.2.1 CAS-No.

8.2.2 Additional information:

**8.3 Personal protective equipment**

8.3.1 General Protection

8.3.2 Respiratory protect.

8.3.3 Hand protection : Solvent resistant gloves

8.3.4 Eye/Face protection Wear safety glasses with side-shields

8.3.5 Skin protection : Long sleeved clothing

**9. PHYSICAL AND CHEMICAL PROPERTIES**

9.1 Appearance: liquid

9.1.2 Colour: creamy

9.1.3 Odour : gently citric

**9.2 Methode (67/548/EWG)**

9.2.1 Change of condition : °C

9.2.2 Flash point : Not applicable °C

9.2.3 Flammability : Not applicable °C

9.2.4 Auto-ignition temp. :

9.2.8	Vapour pressure at 20,0 °C	2,9		hPa
9.2.9	Density at 25,0 °C	:		g/cm <sup>3</sup>
9.2.10	Solution in water at 20,0 °C	: unlimited		mg/l
9.2.11	pH at 20 °C	: 12,5	at 50,0	g/l
9.2.12	LogP (n-octanol/water)	:		1g POW
9.2.13	Viscosity at 20,0 °C	: 32,0		mPas

## 10. STABILITY AND REACTIVITY

- 10.1 **Chemical stability** :  
 10.2 **Materials to avoid** : not known  
 10.3 **Hazardous decomposition products:** not known

## 11. TOXICOLOGICAL INFORMATION

- 11.1 **Acute toxicity**  
 11.1.1 Ingestion LD/LC50 :  
 11.1.2 Skin :  
 11.1.3 Inhalation :  
 11.1.4 Sensibilisierung :

11.3 **Irritation Skin/ Eye** :

11.4 **Addition information** :

## 12. ECOLOGICAL INFORMATION

12.1 **Degradation** : Degree of elimination: > 90% (19 days)

12.2 **Mobility and bioaccumulation potential** : Potassium hydroxide

Aquatic toxicity :

### 12.4 Additional information

- 12.4.1 CSB (mg/g) : not defined  
 12.4.2 BSB5 (mg/g) :  
 12.4.3 AOX : free  
 12.4.4 No heavy metal ingredients like the ECC-spezifikation no. 76/464 EWG

## 13. DISPOSAL CONSIDERATIONS

13.1 **Disposal** Local requirements and directives have to be obeyed.

13.2 **Contaminated packaging**

## 14. TRANSPORT INFORMATION

### 14.1 ADR/ RID and GGVS/GGVE

14.1.1 GGVS-Classification: / 8, II/C5 14.1.2 UN-No.: 1814

14.1.3 Chemical name: 2-5% potassium hydroxide solution

14.2 **Transport/ additional information** no dangerous substance as per the above.

## 15. REGULATORY INFORMATION

### 15.1 EEC Classification and User Label Information

- 15.1.1 Hazard Symbol : C, corrosive  
 15.1.2 Chemical name : 2-5% potassium hydroxide solution

15.1.3 Risk Phrases 34

15.1.4 Safety Phrases

15.1.5 Special classification like II 89/379/EEC 2,26,37/39,45

### 15.2 Nationale Instructions (only for Germany)

- 15.2.2 Beschäftigungsbeschränkung :  
 15.2.3 Störfallverordnung :  
 15.2.7 sonstige Vorschriften none  
 15.2.4 VbF : not flammable  
 15.2.5 TA-Luft :  
 15.2.6 Wassergefährdungsklasse :