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ContraFlux

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

2.2.1 Description: Water based cleaning detergent for flux and solder carrier cleaning based on (EG 648/2004 VO detergents): < 5 % phosphate, < 5 % anionic surfactant, < 1 % complexing agent, alkalify agents, water based solvents and colouring agents.

2.2.2 Components contributing to hazard	2.2.3 CAS-No.	2.2.4 Contents	Risk Phrases
Dinatriummetasilikat, Pentahydrat	10213-79-3	< 3%	C, R 34,37
2-Aminoethanol	141-43-5	< 2%	C, R 20/21/22-34
2-(2-Butoxyethoxy)-ethanole	112-34-5	3,2%	Xi, R36

2.2.6 Additional information:

3. HAZARDS IDENTIFICATION

Special dangers for individuals and environment none known.

4. FIRST-AID MEASURES**4.1 General Information :**

- 4.2 Inhalation** : Ensure fresh air supply.
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 : Do not induce vomiting and consult doctor
4.6 Note to physician : Light alkaline cleaner

5. FIRE-FIGHTING MEASURES**5.1 Specific fire or explosion hazards:**

Water, spray, foam, CO2, power.

5.2 Protection of Firefighters:**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions** : Extinguish all ignition sources
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: green

9.1.3 Odour : neutral

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 : °C

9.2.4 Auto-ignition temp. :

9.2.8	Vapour pressure at 20,0 °C	:	Not defined	hPa
9.2.9	Density at 20,0 °C	:	1,068	g/cm ³
9.2.10	Solution in water at 20,0 °C	:	unlimited	mg/l
9.2.11	pH at 20 °C	:	11,8 at 50,0	g/l
9.2.12	LogP (n-octanol/water)	:		1g POW
9.2.13	Viscosity at 20,0 °C	:	2,3	mPas

9.2.14: not applicable
 9.2.15:
 nonflammable substance like the
 Ordinance on Hazardous
 Substances §4 (GefStoffV)

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%. Easily biodegradable as per RVO german

- 12.2 **Mobility and bioaccumulation potential** :

Aquatic toxicity :

12.4 Additional information

- 12.4.1 CSB (mg/g) : 190
 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: / 14.1.2 UN-No.:
 14.1.3 Chemical name:
 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 :
 15.1.2 Chemical name :
 15.1.3 Risk Phrases:
 15.1.4 Safety Phrases:
 15.1.5 Special classification like II 89/379/EEC non

16. NATIONALE INSTRUCTIONS (only for Germany)

- 16.1.1 Beschäftigungsbeschränkung : 16.1.2 VbF : not flammable
 16.1.3 Störfallverordnung : 16.1.4 TA-Luft :
 16.1.5 sonstige Vorschriften none 16.1.6 Wassergefährdungsklasse :