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MultiEx A12 ReadyMix

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

2.2.1 Description: cleaner on the basis of Alkylglycoethers, alkalines, multivalent alcohols, builders and sequestering agents

2.2.2 Components contributing to hazard	2.2.3 CAS-No.	2.2.4 Contents	Risk Phrases
2-Aminoethanol	141-43-5	< 10%	C, R20/21/22-34
Butyldiglykol	112-34-5	< 10%	Xn, R36

2.2.6 Additional information:

3. HAZARDS IDENTIFICATION

Special dangers for individuals and environment. No marking necessary as per GefStoffV/EG-directives. Local irritation possb. when long time contact with skin

4. FIRST-AID MEASURES**4.1 General Information :****4.2 Inhalation :****4.3 Skin contact** : wash off with lot of water and soap**4.4 Eye contact** : Rinse with lot of water for 10 minutes and consult and eye doctor**4.5 Ingestion** : Do not induce vomitting and consult doctor**4.6 Note to physician** : Alkaline solution**5. FIRE-FIGHTING MEASURES****5.1 Specific fire or exposition hazards:**

Water spray, foam, CO2, powder

5.2 Protection of Firefighters:**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions** :**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 in original container.

7.2 Storage

No special storage necessary.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**8.1 Engineering controls**

None special

8.2 Exposure guidelines 2-(2-Butoxyethoxy-)ethanol MAK 100 mg/m³

8.2.1 CAS-No. 112-34-5

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:

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance: liquid

9.1.2 Colour: transparent

9.1.3 Odour : aminlike

9.2 Methode (67/548/EWG)

9.2.1 Change of condition : < 0 °C

9.2.2 Flash point : °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	:	0,990	g/cm ³
9.2.10	Solution in water at 20,0 °C	:	unlimited	mg/l
9.2.11	pH at 20 °C	:	12,3 at 0,0	g/l
9.2.12	LogP (n-octanol/water)	:		1g POW
9.2.13	Viscosity at 20,0 °C	:	0,0	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** : avoid direct sunlight
 10.2 **Materials to avoid** : strong oxidants or acids
 10.3 **Hazardous decomposition products:** none known with defined use

11. TOXICOLOGICAL INFORMATION

- 11.1 **Acute toxicity**
 11.1.1 Ingestion LD/LC50 : Not determined
 11.1.2 Skin : non known
 11.1.3 Inhalation : low
 11.1.4 Sensibilisierung : none
 11.3 **Irritation Skin/ Eye** : no negative impact known

11.4 **Addition information** : none

12. ECOLOGICAL INFORMATION

12.1 **Degradation** :

12.2 **Mobility and bioaccumulation potential** :

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: / 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 : no dangerous substance as per GefStoffV

15.1.2 Chemical name :

15.1.3 Risk Phrases: Not applicable

15.1.4 Safety Phrases: Not applicable

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 : Ziffer 3.17 not applicable
 16.1.5 sonstige Vorschriften Emmission class III 16.1.6 Wassergefährdungsklasse : 1 minor water