



1.

MultiEx VR

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

2.2.1 Description: Cleaner based on <5% Phosphonate, Alcyglycoether, Alcybtuylether and 2-Aminoethanol.

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

2.2.6 Additional information:

3. HAZARDS IDENTIFICATION

No marking necessary as per GefStoffV/EG-directives. Local irritation on skin possible when longer in contact with the product.

4. FIRST-AID MEASURES**4.1 General Information :****4.2 Inhalation :****4.3 Skin contact :** wash off with lot of water and soap and apply skin lotion**4.4 Eye contact :** Rinse with lot of water for 10 minutes and consult and eye doctor**4.5 Ingestion :** Drink a lot of water afterwards Do not induce vomitting. Consult doctor immediately.**4.6 Note to physician :****5. FIRE-FIGHTING MEASURES****5.1 Specific fire or exosion hazards:**Water spray, foam, CO₂, powder**5.2 Protection of Firefighters:**

In care of fire cool affected containers with water.

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 :** When obeying the local regulations and after neutralization a discharge into the local sewerage netw**7. HANDLING AND STORAGE****7.1 Handling**

Use only original packing

7.2 Storage

Keep cool and dry. Do not store with strong oxidizing materials.

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

When spraying ensure proper ventilation

8.2 Exposure guidelines 2-Aminoethanol 5,1 mg/m³, 2 ml/m³

8.2.1 CAS-No. 141-43-5

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 : amine

9.2 Methode (67/548/EWG)

9.2.1 Change of condition : <0 °C

9.2.2 Flash point : see 9.2.15 °C

9.2.3 Flammability : °C

9.2.4 Auto-ignition temp. :

9.2.8	Vapour pressure at 20,0 °C	:		hPa
9.2.9	Density at 20,0 °C	:	0,965	g/cm ³
9.2.10	Solution in water at 20,0 °C	:	unlimited	mg/l
9.2.11	pH at 20 °C	:	11,1 at 0,0	g/l
9.2.12	LogP (n-octanol/water)	:		1g POW
9.2.13	Viscosity at 20,0 °C	:	45,0	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** : none
 10.2 **Materials to avoid** : Strong oxidants
 10.3 **Hazardous decomposition products:**

11. TOXICOLOGICAL INFORMATION

- 11.1 **Acute toxicity**
 11.1.1 Ingestion LD/LC50 : Not determined
 11.1.2 Skin :
 11.1.3 Inhalation :
 11.1.4 Sensibilisierung : Non known
 11.3 **Irritation Skin/ Eye** :

11.4 **Addition information** :

12. ECOLOGICAL INFORMATION

- 12.1 **Degradation** : OECD. Degree of elimination > 90% 19 days

12.2 **Mobility and bioaccumulation potential** :

Aquatic toxicity : low after neutralisation

12.4 **Additional information**

- 12.4.1 CSB (mg/g) : 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** Waste key: LAGA 59402, EAK 070104, EAK 070699, Local regulations have to be obeyed when disposing-off the products
 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 GVS/ADR 2001

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: 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 applicable
 16.1.3 Störfallverordnung : 16.1.4 TA-Luft : Ziffer 3.17
 16.1.5 sonstige Vorschriften Emission class III 16.1.6 Wassergefährdungsklasse : 1 minor water