

Material Safety Data Sheet account to 91/155/EEC

Date printed: 15.09.04

VIGON US

Date revised: 15.09.04

ZESTRON
... ein Unternehmensbereich der Dr. O.K. Wack Chemie GmbH

Bunsenstrasse 6 : D- 85053 Ingolstadt, Germany
Telefon: +49 841 635-0; Fax: +49 841 635-40

1. Chemical product and company identification

- **Product information :** Cleaning agent concentrate for High-Tech-Cleaning applications
- **Tradename :** **VIGON US**
- **Manufacturer/Supplier :** Dr. O. K. Wack Chemie GmbH
Bunsenstr. 6, 85053 Ingolstadt, **Tel.:** 0049/841/635 0
- **Customer information :** R&D Dept. / Safety department
- **Emergency information :** During business hours: + + 49-841-635-23

2. Composition/Information on ingredients

- **Chemical characterisation :** Special blend of Alkoxypropanols and buffer components.
- **Hazardous ingredients :**

EU - No.	CAS-No.	Name	% Weight	Symbol	R-Phrases
204-709-8	124-68-5	2-Amino-2-methylpropanol	10 - 20	Xi	R 36/38, 52/53*

*see paragraph 16

3. Hazards identification

- Indications of danger (symbols) :** Xi / irritant
- Risk phrases :** Irritating to eyes and skin.
- System of classification :** The classification is in accordance with the actual EEC - Regulations.

4. First aid

- **General remarks :** Remove person from exposure. Remove contaminated clothing.
- **Inhalation :** Immediately remove to fresh air. If effects occur consult a physician.
- **Skin contact :** Immediately remove contaminated clothing. Wash contaminated areas with mild soap and water. If necessary consult a physician.
- **Eye contact :** Flush with excess amount of water for 15 min in the open eye lid. Use flowing water or shower. Consult a physician.
- **Ingestion :** Rinse mouth with water. Do not induce vomiting. Consult a physician.

5. Fire fighting measures

- **Extinguishing media :** Alcohol resistant foam, dry chemical , carbon dioxide, water spray.
- **Non suitable media :** Water stream
- **Special protective equipment :** Self-contained breathing apparatus. In case of fire or heating formation of toxic gas possible.

6. Accidental release measures

- **Personal precautions:** Enter the area only in solvent resistant shoes. Wear protective gloves, goggles and chemical apron. Use sufficient ventilation.
- **Environmental protection measures :** Keep material out of sewers, storm drains, surface waters and soil.
- **Action to take for spills /leaks :** Soak up with liquid binding material (sand, kieselguhr). For disposal see No. 13. In closed rooms supply a good ventilation. Use suitable disposal containers.

7. Handling and storage

- **Handling:**
- **Special precautions to be taken in handling :**
Supply a sufficient ventilation or local exhaust system.Keep container closed when not in use.
Wear sufficient protective clothing.

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- Special precautions to be taken for fire- and explosion protection:

In case of fire-if possible- remove stock from vicinity of the fire. Otherwise spray container with water to prevent heating up. Heating leads to increased pressure and danger of bursting.

- **Storage:** Store in cool place. Keep container tightly closed. Store in accordance with local fire protection regulations.

8. Exposure controls/Personal protection

- Components with applicable exposure limits :

EU – No.	CAS-No.	Name of the component	%	Kind	Value	Dimens.
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For all components are no values established

- Additional information :

These data are based on actual listings.

- Personal protective measures :

- General applicable protective measures :

Supply a sufficient ventilation. Remove soiled clothing and wash it before reuse.

Before breaks and after work wash the hands. Keep away from food, drinks and feeding stuff.

- **Respiratory protection :** Good general ventilation or local exhaust ventilation should be sufficient.

- **Hand protection :** Chloroprene- or Nitrile-gloves

- **Eye protection :** Chemical splash goggles

9. Physical and chemical properties

- **State :** liquid

- **Colour :** clear, colourless

- **Odour :** mild

Value/range	Unit	Method
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- Changes of state :

- **Freezing-point :** not determined

- **Boiling point/boiling range :** 165-212 °C

329-414 °F

- **Flash point :** none to boiling °C

Pensky-Martens

- **Ignition temperature :** not determined

- Explosion hazard :

- **Explosion limits : lower:** not determined % by volume

upper: not determined % by volume

- **Vapour pressure (20°C) :** approx. 3 mbar

- **Density (20°C) :** 0.94 +/-0.02 g/cm³

DIN 51757 ISO / R 758 - 1968

- **Solubility in water :** miscible

- **pH - Value (10 g/l) :** 11 +/-0,5

DIN 19268

- **Viscosity (20°C) :** 13,3 +/-0.5 cSt

DIN 51 562 ISO 3105

10. Stability and reactivity

- **Conditions to be avoided :** Heating the containers causes increase of pressure, bursting and explosion hazard.

- **Substances to be avoided :** Strong oxidizing agents.

- Hazardous decomposition products :

No decomposition up to boiling point. In case of fire, CO and NO_x can be developed.

11. Toxicological information

- **Eye contact :** Irritating to eyes.

- **Skin contact :** Irritating to skin.

- **Ingestion :** No data are available about oral toxicity.

The values of the constituents are higher than 2000 mg/kg LD 50 (oral, rat).

- **Inhalation :** Any effects are unlikely even under long exposure.

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12. Ecological information

WGK (Germany) : 1 (Self classified according to the data of the constituents).

13. Disposal considerations

Classified in accordance to EU - Regulations 75/442/EWG and 91/689/EWG verified by EU - Regulations 2001/118/EG and 2001/119/EG (valid 01.01.2002) :

- **Disposal No. :** 140603 / other solvents and solvents mixture
- **Uncleaned containers :** Disposed as waste according to the local regulations.

14. Transport information

No dangerous good.

Ground transportation ADR/RID

- **ADR/RID - class:** Not classified
- **UN-Number** Not classified
- **Packaging classif.:** Not classified

Sea transportation

- **IMGD-Classif.:** Not classified
- **UN-Number:** Not classified
- **Packaging classif.:** Not classified
- **EMS-Number:** Not classified

Air transportation ICAO-TI and IATA-DGR:

- **ICAO/IATA-Classif.:** Not classif
- **UN-ID-Number:** Not classif
- **Packing Classif.:** Not classif

15. Regulatory information

- **EEC labelling :** Symbols : Xi / irritant
- **Labelled hazardous components :** none
- **R-Phrases :** R 36/38 : Irritating to eyes and skin.
- **S-Phrases :** S 24/25 : Avoid contact with skin and eyes.
S 26 : In case of contact with eyes , rinse immediately with plenty of water and seek medical advice.
S 28 : After contact with skin, wash immediately with plenty of water.

16. Additional information

*Annex of R-phrases in 2 :

- R 36/ 38 : Irritating to eyes and skin.
- R 52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The contents and format of this MSDS are in accordance with EEC Commission Directive 91 / 155 / EEC.

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