



SAFETY DATA SHEET
Acc. To 1907/2006/EC, art. 31
V : 2

Printed : 29/06/2010

Revised : 30/03/2010

Trade Name : Mikromid Series

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1. Identification of the substance/preparation and of the company/undertaking

Product Details

- **Trade Name :** UD-Series
- **Application of the substance / the preparation :** Coating compound for metal surfaces
- **Manufacturer / Supplier :**
Mikroton Kimya San. Ve Tic. Ltd. Şti.
Akçaburgaz Mah. Sanbir Bulvarı, 4. Bölge, 2.Cadde No : 46, TR-34500
Çakmaklı – Esenyurt – İstanbul – Turkey
- **Further Information obtainable from :**
Mr. Arek Dolar, Plant Manager
info@mikroton.com
- **Information In case of Emergency :**
+90 212 886 96 26 – Arek Dolar

2. Hazard Identification

- **Hazard description :**



Xi Irritant

- **Information concerning particular hazards for human and environment :**
The material is dusty. Do not breathe the dust.
The product does not have to be labelled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.
R43 may cause sensitisation by skin contact.
- **Classification system :**
The classification is according to the latest additions of the EU-lists, and extended by company and literature data.
- **Additional information :**
Dust can combine with air to form an explosive mixture.

3. Composition/information on ingredients

- **Chemical characterization**
- **Description :**
Resin mixture with coloring agents
- **Dangerous components :**
CAS : 7195-44-0 Multifunctional Glycidylester Symbol :Xi, N R:R36/38 R43
EINECS : 230-565-0 %w/w: %0,1 – 10,0

4. First Aid Measures

- **General information :**
Consult doctor in case of symptoms or in case of doubt.
- **After inhalation**
Supply fresh air; consult doctor in case of complaints.
- **After Skin contact**
Change contaminated clothes. Wash the skin with water, soap and rinse. Do not use



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any kind of solvents for cleaning.

- **After eye contact**
Rinse opened eye for several minutes under running water.
- **After swallowing**
If symptoms persist, consult doctor.

5. Fire Fighting Measures

- **Suitable extinguishing agents :**
Use CO₂ powder or water spray, Fight larger fires with water or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases :**
In case of combustion wear suitable breathing apparatus. Exposure to decomposition products may cause a health hazard.
- **Protective equipment :**
Do not inhale explosion gases or combustion gases. Mouth respiratory protective device.
- **Additional information :**
- Cool endangered receptacles with water spray. Collect contaminated fire fighting water or foam separately. It must not enter the sewage system.

6. Accidental release measures

- **Person-related safety precautions :**
Avoid formation of dust. Ensure adequate ventilation.
- **Measures for environmental protection :**
Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting :**
Avoid formation of dust. Contain and collect spillage with a vacuum cleaner or by wet brushing. Dispose of the material collected according to regulations.
- **Additional information :**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
No dangerous substances are released.

7. Handling & Storage

Handling:

- **Information for safe handling :**
Persons with history of respiratory problems or allergic responses should not be exposed or handle with powder coatings. Avoid the formation of dust development in concentration above flammable, explosive or occupational Exposure Limit Values.
- **Information about fire - and explosion protection :**
Protect against electrostatic charges. Dust can combine with air to form an explosive mixture. Wear shoes with conductive soles.
- **Storage :**
- **Requirements to be met by storerooms and receptacles :**
Electrical equipments should be protected to the appropriate standards. Floors should



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be electrically conductive.

- **Information about storage in one common storage facility :**
Store away from foodstuffs.
- **Further information about storage conditions :**
Store the product at room temperature. Avoid heat and direct sunlight. No smoking.
Always keep the containers of the same material as the original one.

8. Exposure controls / personal protection

- **Additional information about design of technical facilities :**
Avoid the inhalation of dust. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentration of dust below the relevant occupational exposure limit, suitable respiratory protection must be worn.
No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace :**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information :**
The lists valid during the making were used as basis.
- **Personal protective equipment :**
- **General protective and hygienic measures :**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection :**
Breathing protection equipment (for instance: dust mask, filter type P2) required in inadequately ventilated places and during the spraying.
- **Protection of hands :**
Leather gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material :**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection :**
Safety glasses
- **Body protection:**
Use protective suit.

9. Physical and Chemical Properties

- **General Information**
- **Form :** Powder
- **Colour :** Different according to colouring



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- **Odour :** Odourless
- **Change in condition**
- **Melting point/Melting range:** >50°C (Kofler)
- **Boiling point/Boiling range:** Undetermined.
- **Flash point:** Not applicable.
- **Ignition temperature:** 450-600°C (VDE0165)
- **Decomposition temperature:** 5-20 mJ
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**
- **Lower:** 20 g/m³
- **Upper:** 70 g/m³
- **Density:** See Technical Data Sheet for this information.
- **Solubility in / Miscibility with water:** Insoluble.
- **pH-value:** No change on the pH-value of water.
- **Solvent content:**
- **Organic solvents:** 0.0 %
- **VOC (EC) 0 %**
- **Solids content:** 100 %

10. Stability and Reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Dangerous reactions**
No dangerous reactions known.
- **Dangerous decomposition products:**
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:**
Powder coatings can cause localized skin irritation in folds of the skin or in contact with tight clothing.
- **on the eye:**
Irritating effect.
- **Additional toxicological information:**
- The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **Sensitisation**
May cause sensitisation by skin contact.



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12. Ecological information

- **Ecotoxicological effects:**
- **Acquatic toxicity:**
Not known.
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow product to reach ground water, water course or sewage system.

13. Disposal considerations

- **Product:**
- **Recommendation**
In accordance with local official regulations pass on to an appropriate incinerating plant or depository or recycling.
- **Waste disposal key:**
European waste disposal number is 080112. The waste disposal number is not valid if the powder waste mixed with other waste. Empty containers are controlled wastes and should be disposed according to official regulations.
- **Uncleaned packaging:**
- **Recommendation:**
Disposal must be made according to official regulations.

14. Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:**
No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:**
Not dangerous according to the above specifications.

15. Regulatory information

- **Labelling according to EU guidelines:**
The product has been marked in accordance with EU Directives / respective national laws.
- **Code letter and hazard designation of product:**
Xi Irritant
- **Risk phrases:**
43 May cause sensitisation by skin contact.
- **Safety phrases:**
20/21 When using do not eat, drink or smoke.
22 Do not breathe dust.
38 In case of insufficient ventilation, wear suitable respiratory equipment.



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16. OTHER INFORMATION

This information is based on our present knowledge. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Powder may or may not contain crystalline silica.

Department issuing MSDS : R&D

Contact : Mr. Arek Dolar