

SAFETY DATA SHEET

Storage liquid set A

IP7-237

OKI DATA CORPORATION

4.3 Indication of any immediate medical attention and special treatment needed

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| Treatment: | Treat symptomatically and supportively |
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5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

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| Suitable extinguishing media: | Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO ₂) |
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| Unsuitable Extinguishing Media | None known. |
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5.2 Special hazards arising from the substance or mixture

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| Specific hazards during fire-fighting: | Exposure to combustion products may be a hazard to health. |
| Hazardous combustion products: | Carbon oxides |

5.3 Advice for firefighters

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| Special protective equipment for firefighters: | Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment. |
| Specific extinguishing methods: | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area. |

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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| Personal precautions: | Follow safe handling advice and personal protective equipment recommendations. |
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6.2 Environmental precautions

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| Environmental precautions: | Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained. |
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6.3 Methods and material for containment and cleaning up

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| Methods for cleaning up: | Soak up with inert absorbent material. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. |
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6.4 Reference to other sections

| | |
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| See sections: | 7, 8, 11, 12 and 13. |
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7. HANDLING AND STORAGE

7.1 Precautions for safe handling

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| Technical measures: | See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. |
| Local/Total ventilation: | Use only with adequate ventilation. |
| Advice on safe handling: | Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment. |
| Hygiene measures: | Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before reuse. |

7.2 Conditions for safe storage, including any incompatibilities

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| Requirements for storage areas and containers: | Keep in properly labelled containers. Store in accordance with the particular national regulations. |
| Advice on common storage: | Do not store with the following product types: Strong oxidizing agents |

7.3 Specific end use(s)

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| Specific use(s): | No data available |
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

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| 2-(2-butoxyethoxy)ethyl acetate: | End Use: Workers |
| | Exposure routes: Inhalation |
| | Potential health effects: Long-term systemic effects |
| | Value: 85 mg/m ³ |
| | End Use: Workers |
| | Exposure routes: Skin contact |
| | Potential health effects: Long-term systemic effects |
| | Value: 24 mg/kg |
| | End Use: Consumers |
| | Exposure routes: Inhalation |
| | Potential health effects: Long-term systemic effects |
| | Value: 43 mg/m ³ |
| End Use: Consumers | |
| Exposure routes: Skin contact | |
| Potential health effects: Long-term systemic effects | |
| Value: 12 mg/kg | |
| End Use: Consumers | |
| Exposure routes: Ingestion | |
| Potential health effects: Long-term systemic effects | |
| Value: 1.58 mg/kg | |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

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|----------------------------------|--------------------------|
| 2-(2-butoxyethoxy)ethyl acetate: | Fresh water |
| | Value: 0.108 mg/l |
| | Marine water |
| | Value: 0.0108 mg/l |
| | Intermittent use/release |
| | Value: 0.6 mg/l |
| | Fresh water sediment |
| | Value: 0.8 mg/kg |
| | Marine sediment |
| | Value: 0.8 mg/kg |
| | Soil |
| | Value: 0.29 mg/kg |
| Oral | |

Value: 70 mg/kg

8.2 Exposure controls

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| Engineering measures: | Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. |
| Personal protective equipment | |
| Eye protection: | Wear the following personal protective equipment: Safety glasses |
| Hand protection | |
| Remarks: | Wash hands before breaks and at the end of workday. |
| Skin and body protection: | Skin should be washed after contact. |
| Respiratory protection | Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. |
| Filter type: | Organic vapour type (A) |

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

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| Appearance: | liquid |
| Color: | colorless |
| Odor | solvent-like |
| Odor Threshold: | No data available |
| pH: | No data available |
| Melting point/freezing point: | No data available |
| Initial boiling point and boiling range: | No data available |
| Flash point: | 114°C Method: Cleveland open cup |
| Evaporation rate: | No data available |
| Flammability (solid, gas) | Not applicable |
| Upper explosion limit: | 10.7 %(V) |
| Lower explosion limit: | 0.7 %(V) (93 °C) |
| Vapour pressure: | No data available |
| Relative vapour density: | No data available |
| Density: | 0.98-1.02g/cm ³ |
| Water solubility: | 65 g/l partly soluble |
| Partition coefficient: n-octanol/water: | Not applicable |
| Auto-ignition temperature: | No data available |
| Thermal decomposition: | No data available |
| Viscosity, dynamic: | No data available |
| Explosive properties: | Not explosive |
| Oxidizing properties: | The substance is not classified as oxidizing. |

9.2 Other information

No data available

10. STABILITY AND REACTIVITY**10.1 Reactivity**

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Can react with strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid: None known.

10.5 Incompatible materials

Materials to avoid: Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on likely routes of exposure: Inhalation, Skin contact, Ingestion, Eye contact

Acute toxicity: Not classified based on available information.

Skin corrosion/irritation: Not classified based on available information.

Serious eye damage/eye irritation: Not classified based on available information.

Respiratory or skin sensitization: Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.

STOT - single exposure: Not classified based on available information.

STOT - repeated exposure: Not classified based on available information.

Aspiration toxicity: Not classified based on available information.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Dispose of in accordance with local regulations.
According to the European Waste Catalogue, Waste Codes

are not product specific, but application specific.
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging: Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:

Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):

Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:

Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants: Not applicable

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances:

Not applicable

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

Further information

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

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