

SAFETY DATA SHEET

Classification according to the regulation OSHA 29 CFR 1900.1200 HCS 2012

Issuing Date 04-May-2015

Revision date 04-May-2015

Revision Number 5

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product name Priming Solution for Coated Papers (w7200) Sapphire
Product code Q4324A

Recommended use of the chemical and restrictions on use

Recommendations on Use Industrial use
Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer Michelman, Inc.
9080 Shell Road
Cincinnati, Ohio 45236
(513)793-7766

Emergency Telephone Number

Emergency Telephone CHEMTREC: +1-703-741-5970 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|--------------------|-------------|
| Skin sensitization | Category 1B |
|--------------------|-------------|

Signal Word WARNING

Hazard statements May cause an allergic skin reaction
Harmful to aquatic life with long lasting effects

Pictograms



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves
 Avoid release to the environment

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)

Not applicable

OTHER INFORMATION

None

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| 3. COMPOSITION/INFORMATION ON INGREDIENTS |
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Chemical nature of the preparation Primer for use with HP Indigo press W7200.

Formulas are confidential and proprietary. Therefore, a percent range is provided for the concentration of each classified component in this mixture.

| Chemical name | CAS-No | Weight % | GHS - Classification |
|---------------|--------|----------|---|
| Trade secret | | 1-4 | Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411) Skin Sens. 1 (H317) |

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| 4. FIRST AID MEASURES |
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FIRST AID MEASURES

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| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. |
| Skin contact | Wash off immediately with soap and plenty of water. Consult a physician if necessary. |
| Inhalation | Move to fresh air. If symptoms persist, call a physician. |
| Ingestion | Rinse mouth. If symptoms persist, call a physician. |

Most important symptoms and effects, both acute and delayed

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|--|---------------------------|
| Most Important Symptoms/Effects | No information available. |
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Indication of any immediate medical attention and special treatment needed

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|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
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| 5. FIRE-FIGHTING MEASURES |
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Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

None.

Specific hazards arising from the chemical

No information available.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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| Personal precautions | Ensure adequate ventilation. Avoid contact with the skin and the eyes. |
| Environmental precautions | Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. |
| Methods for containment | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Pick up and transfer to properly labeled containers. |

7. HANDLING AND STORAGE

Precautions for safe handling

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| Handling | Handle in accordance with good industrial hygiene and safety practice. |
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Conditions for safe storage, including any incompatibilities

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| Storage | Keep container tightly closed. Keep at temperatures between -10°C and +30 °C. |
| Incompatible Products | None known based on information supplied. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| <u>Exposure guidelines</u> | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
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Appropriate engineering controls

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| Engineering Measures | Showers Eyewash stations Ventilation systems. |
| Environmental exposure controls | Local authorities should be advised if significant spillages cannot be contained |

Individual protection measures, such as personal protective equipment

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| Eye/face Protection | Tightly fitting safety goggles. |
| Skin and body protection | Long sleeved clothing. Protective gloves. |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. |
| Hygiene Measures | When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|---|--------------------------|
| Physical State | liquid |
| Appearance | translucent |
| Odor | No information available |
| Freezing Point | 0 °C |
| Odor Threshold | No information available |
| Vapor Pressure | No information available |
| Vapor Density | No information available |
| pH | 10 - 12 |
| Density | no data available |
| Boiling Point/Boiling Range | No data available |
| Flash Point | Not flammable |
| Evaporation Rate | no data available |
| Flammability (solid, gas) | Not flammable |
| Flammability Limits in Air | |
| Upper Flammability Limit | No information available |
| Lower Flammability Limit | No information available |
| Specific Gravity | 1.000 |
| Water Solubility | no data available |
| Partition Coefficient: n-octanol/water | No information available |
| Autoignition Temperature | no data available |
| Decomposition Temperature | No information available |
| Viscosity | <50 cps |

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Do not freeze.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

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|---------------------|--|
| Inhalation | Not an expected route of exposure. |
| Eye contact | No known effect based on information supplied. |
| Skin contact | May cause sensitization by skin contact. |
| Ingestion | No known effect based on information supplied. |

Acute toxicity

| Chemical name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|--------------------|-------------|-----------------|
| Trade secret | 2200 mg/kg (Rat) | - | - |

Information on toxicological effects

Symptoms None known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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|---------------------------------|--|
| Carcinogenicity | Contains no ingredients above reportable quantities listed as a carcinogen |
| Irritation | None known based on information supplied. |
| Sensitization | May cause sensitization by skin contact. |
| Mutagenic Effects | None known based on information supplied. |
| Reproductive toxicity | None known based on information supplied. |
| STOT - single exposure | None known based on information supplied. |
| STOT - repeated exposure | None known based on information supplied. |
| Aspiration Hazard | None known based on information supplied. |

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 20000 mg/kg

12. ECOLOGICAL INFORMATION**Ecotoxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical name | Toxicity to Algae | Toxicity to Fish | Daphnia Magna (Water Flea) |
|---------------|-------------------|--------------------|----------------------------|
| Trade secret | | h LC50 96 7.1 mg/L | h EC50 48 8.84 mg/L |

Persistence and degradability Persistence and degradability is not known based on information supplied.

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|-------------------------------------|---|
| <u>Mobility</u> | The mobility of this product has not been determined |
| <u>Bioaccumulation</u> | Bioaccumulation potential is not known based on information supplied |
| <u>Other adverse effects</u> | |
| Endocrine system | This product does not contain any known or suspected endocrine disruptors |

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

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| Waste Disposal Method | This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. |
| Contaminated Packaging | Dispose of in accordance with local regulations. |

14. TRANSPORT INFORMATION

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| <u>DOT</u> | Not regulated |
| <u>IATA</u> | Not regulated |
| <u>IMDG</u> | Not regulated |

15. REGULATORY INFORMATION

International Inventories

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|----------------------------|---------------------------------|
| TSCA (USA) | Complies |
| DSL (Canada) | Complies |
| EINECS (Europe) | Complies |
| ENCS (Japan) | Complies |
| IECSC (China) | Complies |
| KECL (Korea) | Complies |
| PICCS (Philippines) | Complies |
| AICS (Australia) | Complies |
| ERMA (New Zealand) | Complies |
| Taiwan | This product complies with TECS |

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) and Volatile Organic Compounds (VOCs) (see 40 CFR 61)

| Chemical name | CAS-No | Weight % | HAPS data | Volatile organic compounds | Class 1 Ozone Depletors | Class 2 Ozone Depletors |
|---------------|---------|----------|-----------|----------------------------|-------------------------|-------------------------|
| ISOPROPANOL | 67-63-0 | .05 | | Present | | |

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

California Prop. 65

This product does not contain any Proposition 65 chemicals

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| 16. OTHER INFORMATION |
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HMIS **Health hazard** 2 **Flammability** 0 **Stability** 0 **PPE** B

Prepared by Michelman, Inc.

Revision date 04-May-2015

Reason for revision No information available

Disclaimer

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End of Safety Data Sheet