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## Issue 2005.08.31 Revision 2023.03.14

## Safety Data Sheet (SDS)

## Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

| Section 1 - CHEMICALS AND   | COMPANY IDENTIFICA        | TION   |
|-----------------------------|---------------------------|--|
|                             | Chemical Identifier       | Ink-1065K  |
|                             | Product Code              | 1065K  |
|                             | Reference Number          | 12   |
|                             | Name of Supplier          | Hitachi Industrial Equipment Systems Co.,Ltd.  |
|                             | Address                   | 1-1 Higashitaga-cho 1-chome,Hitachi-shi, Ibaraki-ken,  |
|                             |                           | 316-8502 Japan   |
|                             | Company Contact           | IJP ink Group, Marking Systems and Hoist Systems Division  |
|                             | Phone Number              | +81-294-36-8682  |
|                             | Fax Number                | +81-294-36-8975  |
|                             | Mail Address              | ogino-masahiko@hitachi-ies.co.jp   |
|                             | Emergency Phone<br>Number | +81-294-36-8682  |
|                             | Recommended Use           | Industrial ink jet printers  |
| Section 2 – HAZARDS IDENTIF |                           |  |
| GHS Classification of the ( |                           | Flammahla limida Ostana a  |
|                             | Physicochemical           | Flammable liquids Category 2   |
|                             | Health Hazards            | Skin corrosion/irritation Category 2   |
|                             |                           | Serious eye damage/eye irritation Category 1   |
|                             |                           | Skin sensitization Category 1  |
|                             |                           | Reproductive toxicity Category 1A  |
|                             |                           | Specific target organ toxicity (single exposure)   |
|                             |                           | Category 1 (visual organ systemic toxicity central<br>nervous system)  |
|                             |                           | Specific target organ toxicity (single exposure)<br>Category 2(kidney)   |
|                             |                           | Specific target organ toxicity (single exposure)<br>Category 3(narcotic effect respiratory tract irritation)                       |
|                             |                           | Specific target organ toxicity (repeated exposure)<br>Category 1(visual organ central nervous system<br>peripheral nervous system) |
|                             |                           | Specific target organ toxicity (repeated exposure)<br>Category 2(respiratory apparatus)  |
|                             | Environmental<br>Hazards  | Hazardous to the aquatic environment, short-term<br>(acute) Category 3   |
|                             |                           | Hazardous to the aquatic environment, long-term<br>(chronic) Category 3  |
|                             |                           | Other hazards than mentioned above are Not classified  |
|                             |                           | or Classification not possible.  |
| GHS Label Elements          | Pictograms                |  |
|                             |                           |  |
|                             |                           |  |
|                             | Signal Word               | Danger   |
|                             | Hazard Statements         | H225 Highly flammable liquid and vapour  |
|                             |                           | H315 Causes skin irritation  |
|                             |                           | H317 May cause an allergic skin reaction   |
|                             |                           | H318 Causes serious eye damage   |
|                             |                           | H335 May cause respiratory irritation  |
|                             |                           | H336 May cause drowsiness or dizziness   |
|                             |                           |  |

As far as we know, the information that is listed here is accurate. However, the above-mentioned suppliers or their subsidiaries shall not be liable for the accuracy or completeness of the information described above.

H360 May damage fertility or the unborn child H370 Causes damage to visual organ, systemic

toxicity, central nervous system

|                       | H371 May cause damage to kidney<br>H372 Causes damage to visual organ, central nervous   |
|-----------------------|--|
|                       | system, peripheral nervous system through prolonged<br>or repeated exposure  |
|                       | H373 May cause damage to respiratory apparatus through prolonged or repeated exposure  |
|                       | H412 Harmful to aquatic life with long lasting effects   |
| Precautionary Stateme | ents   |
| Prevention            | Obtain special instructions before use.(P201)  |
|                       | Do not handle until all safety precautions have been read and understood.(P202)  |
|                       | Keep away from heat, hot surfaces, sparks, open flames<br>and other ignition sources. No smoking.(P210)  |
|                       | Keep container tightly closed.(P233)   |
|                       | Ground and bond container and receiving equipment.(P240)   |
|                       | Use explosion-proof electrical, ventilating and lighting equipment.(P241)  |
|                       | Use non-sparking tools.(P242)  |
|                       | Take action to prevent static discharges.(P243)  |
|                       | Do not breathe<br>dust/fume/gas/mist/vapours/spray.(P260)  |
|                       | Avoid breathing  |
|                       | dust/fume/gas/mist/vapours/spray.(P261)  |
|                       | Wash hand thoroughly after handling.(P264)<br>Do not eat, drink or smoke when using this<br>product.(P270)                                       |
|                       | Use only outdoors or in a well-ventilated area.(P271)  |
|                       | Contaminated work clothing should not be allowed out of the workplace.(P272)   |
|                       | Avoid release to the environment.(P273)  |
|                       | Wear protective gloves/protective clothing/eye protection/face protection.(P280)   |
| Response              | IF ON SKIN: Wash with plenty of soap and water.(P302+P352)   |
|                       | IF ON SKIN or hair: Take off immediately all<br>contaminated clothing. Rinse skin with water or<br>shower.(P303+P361+P353)                       |
|                       | IF INHALED: Remove person to fresh air and keep comfortable for breathing.(P304+P340)  |
|                       | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338) |
|                       | IF exposed or concerned: Call a doctor.(P308+P311)   |
|                       | IF exposed or concerned: Get medical<br>advice/attention.(P308+P313)   |
|                       | Immediately call a doctor.(P310)   |
|                       | Call a doctor if you feel unwell.(P312)<br>Get medical advice and attention if you feel<br>unwell.(P314)   |
|                       | Specific treatment.(P321)  |
|                       | If skin irritation occurs: Get medical advice/attention.(P332+P313)  |
|                       | If skin irritation or rash occurs: Get medical advice/attention.(P333+P313)  |
|                       | Take off contaminated clothing and wash it before reuse.(P362+P364)  |

|          | In case of fire: Use appropriate media to extinguish.(P370+P378)   |
|----------|--|
| Storage  | Store in a well-ventilated place. Keep container tightly closed.(P403+P233)  |
|          | Store in a well-ventilated place. Keep cool.(P403+P235)  |
|          | Store locked up.(P405)   |
| Disposal | Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501) |

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| Distinction of Substance or<br>Mixture |                                    | Mixture         |                                 |                                 |              |
|--|------------------------------------|-----------------|---------------------------------|---------------------------------|--------------|
| Chemical Name or Generic<br>Name       | Concentration or Its<br>Ranges (%) | Formula         | ENCS No./IS<br>ENCS No.         | SHL No.<br>ISHL No.             | CAS RN       |
| Methyl ethyl ketone                    | 30-less than 40                    | CH3CH2CO<br>CH3 |                                 | Registered                      | 78-93-3      |
| Methanol                               | 10-20                              | СНЗОН           | (2)-201                         | Registered                      | 67-56-1      |
| 2-Hydroxypropyl acrylate               | 3–5                                | -               | (2)–958,(2)–<br>997             | Registered                      | 999-61-1     |
| Chromium and its compounds             | 5-10                               | -               | Registered(<br>Trade<br>secret) | Registered(<br>Trade<br>secret) | Trade secret |
| 1,6-Hexanediol Diacrylate              | 0.1-1                              | -               | (2)–958,(2)–<br>1007            | Registered                      | 13048-33-4   |
| lithium nitrate                        | 0.1-1                              | LiNO3           | (1)-765                         | Registered                      | 7790-69-4    |

Section 4 - FIRST AID MEASURES Inhalation IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Call a doctor. Skin Contact IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice and attention. Specific treatment. IF exposed or concerned: Call a doctor. Eye Contact Immediately call a doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Call a doctor. Ingestion Rinse mouth IF SWALLOWED: Call a doctor if you feel unwell. IF exposed or concerned: Call a doctor. Section 5 - FIRE FIGHTING MEASURES Suitable Extinguishing Use extinguishing agent suitable for type of surrounding Media fire. When dust occurs, use dry sand. Unsuitable Extinguishing Cylindric water. Media Specific Hazards in Case of Risk of producing harmful gases such as carbon Fire monoxide. Avoid inhalation of smoke or gases. Specific Fire Fighting Fight fire from upwind position if possible Keep away from sources of ignition and use appropriate extinguishing media.

|   |   | Prohibit unauthorized staff from entering the area around the fire.  |
|---|---|--|
| Special Protective<br>Equipment and Precautions<br>for Fire Fighters      |   | Keep unnecessary people away.<br>Use goggles in combination with dust mask, and another<br>protections as appropriate to situation.  |
| Section 6 - ACCIDENTAL RELE   | ASE MEASURES  |  |
| Personal Precautions,<br>Protective Equipment and<br>Emergency Procedures |   | Use goggles in combination with dust mask, and another protections as appropriate to situation.  |
|   |   | Large spills :Evacuate area.   |
| Environmental Precautions   |   | Ensure adequate ventilation.<br>Do not discharge into the drains, surface waters or<br>ground water directly.  |
| Methods and Equipment for<br>Containment and Cleaning                     |   | small spill : absorb with material such as non-<br>combustible materialwash thoroughly after handling  |
| Up<br>Prevention Measures for<br>Secondary Accidents                      |   | Large spills: Dike spills and dispose of in safe area.<br>Keep away from sources of ignition and prepare<br>extinguishing media.<br>Risk of slipping. Spilled material forms slippery floor. |
|   |   | Do not recklessly walk on the spillage.  |
|   |   |  |
| Section 7 - HANDLING AND S<br>Handling                                    | ORAGE<br>Technical Measures                                       | Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".  |
|   |   | Ground/bond container and receiving equipment.<br>Use only non-sparking tools.<br>Use explosion-proof electrical/ventilating/lighting.   |
|   |   | Take precautionary measures against static discharge.  |
|   |   | Use local exhaust ventilation in case of production of fume or mist.   |
|   |   | Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.   |
|   | Precautions for Safe<br>Handling                                  | Contaminated work clothing should not be allowed out<br>of the workplace.  |
|   |   | Keep cool.<br>Do not breathe dust/fume/gas/mist/vapours/spray.   |
|   |   | Do not eat, drink or smoke when using this product.  |
|   |   | Wash hands thoroughly after handling.<br>Use only outdoors or in a well-ventilated area.<br>Wear protective gloves/protective clothing/eye<br>protection/face protection.                    |
|   | Prevents Handling of<br>Incompatible<br>Substances or<br>Mixtures | Refer to "Section 10 - STABILITY AND REACTIVITY".  |
| Storage   | Conditions for Safe<br>Storage                                    | Refer to "Section 10 - STABILITY AND REACTIVITY".  |
|   |   | Store locked up.<br>Store container tightly closed in well-ventilated place.   |

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

| Level | Exposure Limits (Japan<br>Society for<br>Occupational Health) | Exposure Limits (ACGIH) |
|-------|---|-------------------------|
|       |   |                         |

| Methanol  | 200ppm                      | 200ppm(260mg/m3)(skin<br>)                           | TWA 200 ppm, STEL 250 ppr<br>(Skin)                           |
|---|-----------------------------|--|---|
| Methyl ethyl ketone   | 200ppm                      | 200ppm(590mg/m3)                                     | TWA 200 ppm, STEL 300 ppr                                     |
| 2-Hydroxypropyl acrylate  | -                           | -  | TWA 0.5 ppm, STEL - (Skin)                                    |
| lithium nitrate   | -                           | -  | -   |
| 1,6-Hexanediol Diacrylate                                       | -                           |  | -   |
| Chromium and its<br>compounds                                   | -                           | 0.5mg/m3 as Cr3+                                     | -   |
| oompoundo   |                             |  |   |
| Engineering Controls  |                             | fume or mist.  | tion in case of production of                                 |
|   |                             |  | ing this material should be<br>h facility and a safety shower |
|   |                             | Use explosion-proof elec<br>from static electrocity. | trical equipment and prevent                                  |
| Personal Protective<br>Equipment                                | Respiratory<br>Protection   | If necessary, wear respira                           | atory protection.   |
|   | Hand Protection             | Wear protective gloves.                              |   |
|   | Eye/Face Protection         | Wear eye protection/fac                              | -   |
|   | Skin and Body<br>Protection | Wear protective clothing.                            |   |
| tion 9 – PHYSICAL AND CH  | EMICAL PROPERTIES           |  |   |
| Physical State  |                             | Liquid   |   |
| Form  |                             | Liquid   |   |
| Colour  |                             | Black  |   |
| Odour   |                             | Solvent odor   |   |
| Melting Point/Freezing<br>Point                                 |                             | No data available                                    |   |
| Boiling Point or Initial<br>Boiling Point and Boiling<br>Ranges |                             | 100∼250 °C   |   |
| Flammability<br>Lower and Upper Explosion                       | Lower Limit                 | No data available<br>1.1vol%                         |   |
| Limit / Flammability Limit                                      | Lower Limit                 | 1.1001%  |   |
|   | Upper Limit                 | 19vol%   |   |
| Flash Point   |                             | -1.1°C (Tag Closed Cup                               | )   |
| Auto-Ignition Temperature                                       |                             | 300°C  |   |
| Decomposition<br>Temperature                                    |                             | No data available                                    |   |
| pН  |                             | No data available                                    |   |
| Kinematic Viscosity   |                             | No data available                                    |   |
| Solubility  |                             | No data available                                    |   |
| Partition Coefficient : n–<br>Octanol/Water                     |                             | No data available                                    |   |
| Vapour Pressure   |                             | 0.07kPa (80°C)                                       |   |
| Density and/or Relative<br>Density                              |                             | 0.948  |   |
| Relative Gas Density  |                             | No data available                                    |   |
| Particle Characteristics  |                             | No data available                                    |   |
| as Methanol   |                             | 00.0°C   |   |
| Melting Point/Freezing<br>Point                                 |                             | -93.9°C  |   |
| Boiling Point or Initial<br>Boiling Point and Boiling<br>Ranges |                             | 64.1°C, 59.4°C(610mmHg<br>(73mmHg)                   | ;), 39.9°C(260mmHg), 15°C                                     |
| Density and/or Relative<br>Density                              |                             | 0.866(-59°C/4°C), 0.81(0<br>0.7910(20°C), 0.7964(15° | °C/4°C), 0.8006(10°C/4°C),<br>C/15°C)                         |
|   |                             |  |   |

|     | Melting Point/Freezing<br>Point                                 |             | -86.4°C  |
|-----|---|-------------|--|
|     | Boiling Point or Initial<br>Boiling Point and Boiling<br>Ranges |             | 79.6°C   |
|     | Density and∕or Relative<br>Density                              |             | 0.8061   |
|     | as lithium nitrate<br>Melting Point/Freezing<br>Point           |             | 261°C  |
|     | Decomposition<br>Temperature                                    |             | 600°C  |
|     | Kinematic Viscosity   |             | 0mm2/S(40°C)   |
|     | Density and/or Relative   |             | 2.37(20°C, 4°C)  |
|     | Density   |             |  |
| Sec | tion 10 - STABILITY AND F                                       | REACTIVITY  |  |
|     | Reactivity  |             | Does not react dangerously under nomal conditions.   |
|     | Chemical Stability  |             | Stable under normal conditions of use.   |
|     | Possibility of Hazardous  |             | Flammable  |
|     | Reaction<br>Conditions to Avoid                                 |             | There is a risk of explosion due to impacts, friction, flame and other   |
|     | Conditions to Avoid   |             | source of ignition.  |
|     | Incompatible Substances or                                      |             | No data available  |
|     | Mixtures  |             |  |
|     | Hazardous Decomposition   |             | No data available  |
|     | Products  |             |  |
|     | Other Data  |             | No data available  |
| Sec | tion 11 – TOXICOLOGICAL   | INFORMATION |  |
|     | Acute Toxicity  | Oral        | Unable to classify due to insufficient data.   |
|     |   | Dermal      | Unable to classify due to insufficient data.   |
|     |   | Inhalation  | (gas)  |
|     |   |             | Does not fall under gas based on GHS definitions.  |
|     |   |             | (vapour)   |
|     |   |             | Unable to classify due to insufficient data.   |
|     |   |             | (dust and mist)  |
|     |   |             | Unable to classify due to insufficient data.   |
|     | Skin Corrosion/Irritation                                       |             | Classified as Category 2 since the sum of Category 2   |
|     |   |             | ingredients is more than 10%.  |
|     | Serious Eye Damage/Eye<br>Irritation                            |             | Classified as Category 1 since the sum of Eye Category<br>1 ingredients is more than 3%.                       |
|     | Respiratory Sensitization                                       |             | Unable to classify due to insufficient data.   |
|     | Skin Sensitization  |             | Classified as Category 1 since one of the Category 1   |
|     | Skin Sensitization  |             | ingredients is more than 1.0%.   |
|     | Germ Cell Mutagenicity  |             | Unable to classify due to insufficient data.   |
|     | Carcinogenicity   |             | Unable to classify due to insufficient data.   |
|     | Reproductive Toxicity   |             | (Reproductive toxicity)  |
|     |   |             | Classified as Category 1A since one of the Category 1  |
|     |   |             | ingredients is more than 0.3%.   |
|     |   |             | (Reproductive toxicity, effects on or via lactation)   |
|     |   |             | Unable to classify due to insufficient data.   |
|     | Specific Target Organ   |             | Classified as Category 1(visual organ) since one of the  |
|     | Toxicity (Single Exposure)                                      |             | Category 1(visual organ) ingredients is more than 10%.   |
|     |   |             | Classified as Category 1(austomic touisity) since and of   |
|     |   |             | Classified as Category 1(systemic toxicity) since one of the Category 1(systemic toxicity) ingredients is more |
|     |   |             | than 10%.  |
|     |   |             | Classified as Category 1(central nervous system) since   |
|     |   |             | one of the Category 1(central nervous system)  |
|     |   |             | ingredients is more than 10%.  |
|     |   |             |  |
|     |   |             |  |
|     |   |             |  |

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|  |                             | Classified as Category 3(narcotic effect) since the sum<br>of Category 3(narcotic effect) ingredients is more than<br>20%.   |
|--|-----------------------------|--|
|  |                             | Classified as Category 3(respiratory tract irritation)<br>since the sum of Category 3(respiratory tract irritation)<br>ingredients is more than 20%.   |
| Specific Target Organ<br>Toxicity (Repeated<br>Exposure)                                       |                             | Classified as Category 1(visual organ) since one of the Category 1(visual organ) ingredients is more than 10%.   |
|  |                             | Classified as Category 1(central nervous system) since<br>one of the Category 1(central nervous system)<br>ingredients is more than 10%.   |
|  |                             | Classified as Category 1(peripheral nervous system)<br>since one of the Category 1(peripheral nervous system)<br>ingredients is more than 10%.   |
|  |                             | Classified as Category 2(respiratory apparatus) since<br>one of the Category 2(respiratory apparatus)<br>ingredients is more than 10%.   |
| Aspiration Hazard  |                             | Classified as Classification not possible since the kinematic viscosity is unknown.  |
| Section 12 - ECOLOGICAL INFO<br>Hazardous to the Aquatic<br>Environment, Short-Term<br>(Acute) | DRMATION                    | Classified as Category 3 since the sum of $(M \times 100 \times Category 1) + (10 \times Category 2) + Category 3$ ingredients is more than 25%.   |
| Hazardous to the Aquatic<br>Environment, Long-Term<br>(Chronic)                                |                             | Classified as Category 3 since the sum of $(M \times 100 \times Category 1) + (10 \times Category 2) + Category 3$ ingredients is more than 25%.   |
| Ecotoxicity<br>Persistence<br>Bioaccumulative Potential  |                             | No data available<br>No data available<br>No data available  |
| Mobility in Soil   |                             | No data available  |
| Hazardous to the Ozone<br>Layer  |                             | Unable to classify due to insufficient data.   |
| Section 13 - DISPOSAL CONSI  | DERATIONS<br>Residual waste | Because waste materials such as liquid waste, paper towels used to wipe it up, or empty containers are flammable combustible materials,  |
|  |                             | the section on "specially controlled industrial waste(Flammable<br>waste oil)" from the Waste Management and Public Cleaning Law<br>(Waste Management Law) is applicable.  |
|  |                             | Either appropriately process in accordance with Waste Management<br>and Public Cleaning Law, or commission a contractor licensed for<br>transport or disposal of industrial waste requiring special<br>management. |
|  |                             | Do not let wastewater, etc. used for cleaning machinery or<br>containers flow directly onto the groundor in to the culverts.<br>For waste materials generated by wastewater treatment,                             |
|  |                             | incineration, etc. either carry out processingin accordance with the<br>Waste Management and Public Cleaning Law and related laws and<br>regulations, or commission a licensed vendor to do so.                    |
|  |                             | When incinerating of waste materials, etc., do not use an incinerator without cleaning equipment, as harmful gas will be generated.  |
|  | Contominated contrin-       | Clarify the contents of waste materials and entrust disposal to a<br>waste disposal company.<br>Empty containers should be treated as industrial wastes and not  |
|  |                             | allowed to contain waste.  |

Classified as Category 2(kidney) since one of the Category 2(kidney) ingredients is more than 10%.

Section 14 - TRANSPORT INFORMATION

| International Regulations  | Regulatory<br>Information by Sea  | Conform to the provisions of IMO.  |
|--|---|--|
|  | UN No.  | 1210<br>PRINTING INK RELATED MATERIAL<br>3<br>II<br>Not applicable<br>Not applicable   |
| Regulations in Japan   | Regulatory<br>Information by Air<br>UN No.<br>Proper Shipping Name<br>Class<br>Packing Group<br>Regulatory<br>Information by Road   | Conform to the provisions of ICAO/IATA.<br>1210<br>PRINTING INK RELATED MATERIAL<br>3<br>II<br>Complies with the Poisonous and Deleterious<br>Substances Control Act.  |
|  | Regulatory<br>Information by Sea  | Complies with the Fire Service Act.<br>Conform to the provisions of the Ship Safety Law.   |
|  | UN No.<br>Proper Shipping Name<br>Class<br>Packing Group<br>Marine Pollutant<br>Liquid Substance<br>Transported in Bulk<br>According to<br>MARPOL 73/78,<br>Annex II, the IBC<br>Code | 1210<br>PRINTING INK RELATED MATERIAL<br>3<br>II<br>Not applicable<br>Not applicable   |
| Emergency Response Guide   | Regulatory<br>Information by Air<br>UN No.<br>Proper Shipping Name<br>Class<br>Packing Group  | Conform to the provisions of the Civil Aeronautics Law.<br>1210<br>PRINTING INK RELATED MATERIAL<br>3<br>II<br>130   |
| Number   |   |  |
| Section 15 – REGULATORY INF<br>Industrial Safety and Health<br>Act | ORMATION  | Ordinance on the Prevention of Organic Solvent Poisoning<br>Paragraph 1 Article 1 part 4 (Second-class organic solvents, etc.),<br>Enforcement Ordinance 2 of Appendix 6<br>the standards for work environment monitoring Article 65 part 2–1<br>Dangerous or Harmful Substances Subject to Be Indicated their<br>Names, etc.<br>(Article 57 part 1 ,Order Article 18 part 1 and 2, Attached Table9)<br>Dangerous Substances -Flammable substances(Order Article<br>Appended Table 1 part 4)<br>Hazardous Substances to be notified in terms of Whose Names,etc<br>.(Article 57 part 2 ,Order Article 18 part 2–1and part 2, Attached<br>Table9)<br>2-Hydroxypropyl acrylate(Number:5) (less than 5%)<br>Chromium and its compounds (excluding Chromic acid,<br>Dichromic acid and its salts)(Number:142) (1%–10%)<br>Methanol(Number:560) (10%–20%)<br>Methyl ethyl ketone (Number:570) (30%–40%) |
|  |   |  |

|  |   | Inthium nitrate(Number: No Number))<br>Materials for special medical examinations and current handling<br>workers(Industrial Safety and Health Act66 2 and Order for<br>Enforcement of Industrial Safety and Health Act Article 22 (i)) |
|--|---|---|
| Poisonous and Deleterious<br>Substances Control Act  |   | poisonous Substances Designation Decree Article 1   |
|  |   | 2-Hydroxypropyl acrylate and preparations containing the same (3.4%)  |
| Act on Confirmation, etc. of<br>Release Amounts of<br>Specific Chemical<br>Substances in the<br>Environment and Promotion<br>of Improvements to the<br>Management Thereof(after<br>2023/4/1) |   | Class 2 Designated Chemical Substances (Law, Article 2, Paragraph<br>3, Enforcement Order, Article 2, Appended Table 2)   |
| Fire Service Act   |   | 2-Hydroxypropyl acrylate(control number:755)(3.4%)<br>Hazardous Materials Category IV inflammable liquids Class I   |
| Water Pollution Prevention<br>Act  |   | petroleums non water-soluble Packing Group II<br>Hazardous substances (Article 2, Ordinance of Enforcement, article<br>2, Ordinance 1) that prescribe wastewater standards)   |
|  |   | Specified substances (article 2, paragraph 4 of the Act, article 3 of the Enforcement Ordinance)  |
| Foreign Exchange and<br>Foreign Trade Act  |   | Import Trade Control Order Appended Table I part 16   |
| Ship Safety Law<br>Aviation Law  |   | Flammable liquids(Order Article 3,Appended Table I)<br>Flammable liquids(Order Article 194,Appended Table I)  |
| Section 16 - OTHER INFORMAT  | TION  |   |
|  | Industrial Safety and<br>Health Act   | Second-class organic solvents, etc.contain more than 5% of Second-<br>class organic solvents.   |
|  |   | In the "15. Applicable laws" column, the materials for which label and SDS will be mandated are also listed. (Substance without a decree number.) Reiwa based on 0111 No. 1 from the Kiankahatsu, on January 11, 2022. )                |
|  |   | 2-butanone and methyl ethyl ketone, MEK and ethyl methyl ketone<br>are the same substances.<br>1,6-Hexanediol Diacrylate and Hexamethylene diacrylate are the   |
|  | Act on the Regulation<br>of Manufacture and<br>Evaluation of<br>Chemical Substances | same substance.<br>We have a Priority Assessment Chemical Substance posting<br>threshold of 0.1% or more.   |
|  | Onemical Substances   | The posting of a Priority Assessment Chemical Substance in SDS is as of November 2019 as an effort.   |
|  | Foreign Exchange and<br>Foreign Trade Act   | In law, printing inks are not approved for export   |
|  | Fire Service Act<br>Poisonous and<br>Deleterious<br>Substances Control<br>Act       | The flash point of Class I petroleums is less than 21 $\degree$ c.<br>The deleterious substances is only applicable to the material, and<br>the mixture is non-applicable.  |
|  | RoHS Specified<br>Substance<br>Concentration  | Substances treated as equipment are exempt from this law. $Cd<100ppm~Pb,~Hg,~Cr(VI),~PBB,~PBDE,~DEHP,~DBP,~BBP,~DIBP<1000ppm$   |
|  | Allowable<br>concentration<br>Standards<br>Cited Literature                         | TLV-TWA: Threshold Limit Values-Time Weighted Average STEL<br>(Short Term Exposure Limit<br>JIS Z7253:2019<br>1) International Chemical Safety Cards  |
|  |   | 2) National Institute of Technology and Evaluation (NITE), Japan  |

lithium nitrate(Number:No Number))

|   | <ul> <li>3) Site for Safe Workplace by Ministry of Health, Labour and Welfare, Japan</li> <li>4) EZSDS (JCDB)</li> </ul>   |
|---|--|
| Additional Information<br>about This Product: | To the best of our knowledge, the information contained herein is<br>accurate. However, neither the above named supplier nor any of its<br>subsidiaries assumes any liability whatsoever for the accuracy or<br>completeness of the information contained herein. Final<br>determination of suitability of any material is the sole responsibility<br>of the user. All materials may present unknown hazards and should<br>be used with caution. Although certain hazards are described herein,<br>we cannot guarantee that these are the only hazards that exist. |