

## IGI Wax (Series 4500 – 4600)

| 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION   |  |
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| Manufacturer<br>The International Group Inc.<br>50 Salome Dr.<br>Toronto, ON M1S2A8, CA  | Emergency Contact<br>Chemtrec: 1-800-424-9300 (USA)<br>(1)330-542-8400 (outside USA) |
| Trade Name(s): IGI, Nochek   | Chemical Name: Paraffin/Microcrystalline Wax Blend                                   |
| Relevant identified uses of the substance or mixture: Various end uses e.g. pharmaceutical, personal care/cosmetics, food contact coatings, additive for wax blends, use in adhesives etc. | Uses advised against: No further relevant information available.                     |
| Issued By: Sovereign Chemical Company<br><br>According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS  | Date of Issue: May 1, 2023   |

| 2. HAZARDS IDENTIFICATION |
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|---------------------------|

Classification of the substance or mixture  
 Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012) and Regulation (EC) No 1272/2008

|                        |                 |
|------------------------|-----------------|
| Physical hazards       | Not classified. |
| Health hazards         | Not classified. |
| Environmental hazards: | Not classified. |

Label elements

|                  |  |
|------------------|--|
| Hazard symbol    | None.  |
| Signal word      | None.  |
| Hazard statement | The product does not meet the criteria for classification. |

Precautionary statement

|            |  |
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| Prevention | Observe good industrial hygiene practices.                                     |
| Response   | Wash hands after handling.   |
| Storage    | Store away from incompatible materials.  |
| Disposal   | Dispose of waste and residues in accordance with local authority requirements. |

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| Hazard(s) not otherwise classified | None known. |
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| Supplemental information | None. |
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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance/Mixture: Mixture

| Chemical Name           | CAS No | EC No | Weight % | Classification |
|-------------------------|--------|-------|----------|----------------|
| Paraffinic Hydrocarbons | N/A    | N/A   | ≤95%     | N/A            |
| Hydrocarbons            | N/A    | N/A   | ≤65%     | N/A            |
| Mineral Oil             | N/A    | N/A   | ≤50%     | N/A            |

The remaining unspecified ingredients are impurities and are not hazardous.

The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

**4. FIRST AID MEASURES**

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| Inhalation   | Solid: No specific first aid measures noted. If fumes from heated product are inhaled: Move to fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.  |
| Skin contact   | Solid: No specific first aid measures noted. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water and see a physician for removal of adhering material and treatment of burn.  |
| Eye contact  | Solid: No specific first aid measures noted. Exposure to fumes, vapors or smoke of overheated product can result in irritation of eyes. Direct contact of molten material will cause injury and burns. When handling of molten product eye shield must be worn at all times. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Should an accident occur, flush eyes with generous amounts of water for at least 15 minutes. Administer prompt first aid measures. Get medical attention if irritation develops and persists. |
| Ingestion  | Solid: No specific first aid measures noted. Not acutely toxic by ingestion. If material is ingested, do not induce vomiting. Contact with hot product may cause severe burns. Get medical attention immediately.   |
| Most important symptoms/effects, acute and delayed                     | Eye and skin contact: When heated, contact with molten product can cause injury and burns.  |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically.  |
| General information  | If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance.   |

**5. FIRE FIGHTING MEASURES**

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| Suitable extinguishing media                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).   |
| Unsuitable extinguishing Media                                | Do not use water on molten metal: Explosion hazard could result.  |
| Specific hazards arising from the chemical                    | By heating and fire, irritating vapors/gases may be formed. During fire, gases hazardous to health may be formed.   |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| Firefighting equipment/instructions                           | In case of fire and/or explosion do not breathe fumes. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Do not direct later at source of leak or safety devices as icing may occur. Use water spray to cool unopened containers. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| Specific methods  | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after fire is out.   |
| General fire hazards  | No unusual fire or explosion hazards noted.   |

**6. ACCIDENTAL RELEASE MEASURES**

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| Personal precautions protective equipment and emergency procedures | Keep unnecessary personnel away. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of SDS.   |
| Methods and material for containment and cleaning up               | <p>Handle as a thermoplastic. With molten spills, allow the material to solidify and cool. Keep material out of sewers and watercourses by diking or impounding. Recover and place into appropriate containers for recycling or disposal, according to prevailing local, state and federal laws.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Allow material to solidify and scrape up. Following product recovery, flush area with water.</p> <p>Small Spills: Where possible allow molten material to solidify naturally.</p> |

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental Precautions**

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

When kept in molten state, inert gas blanketing may be used to avoid material degradation. As a solid, avoid contamination by keeping in closed containers. Do not handle until all safety precautions have been read and understood. Heat only in areas with appropriate exhaust ventilation. Do not breathe fume/mist/vapors. Avoid contact with molten material. When using, do not eat, drink or smoke. Observe good industrial hygiene practices. Do not empty into drains. Avoid release to the environment. Wash contaminated clothing before reuse. The material is a solid at room temperature exhibiting elevated temperature softening characteristics. Above its softening point, the material liquefies and flows more readily as the temperature increases. The material may be used as a hot liquid for application purposes and requires caution in handling.

**Conditions for safe storage, including any incompatibilities**

Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10). When kept in molten state, inert gas blanketing may be used to avoid material degradation. As a solid, avoid contamination by keeping in closed containers.

**8. EXPOSURE CONTROLS - PERSONAL PROTECTION**

**Occupational exposure limits**

Hydrocarbons, type PEL, value of 5 mg/m<sup>3</sup>, mist form  
 Mineral oil, type PEL, value of 5 mg/m<sup>3</sup>, mist form  
 Hydrocarbons, type TWA, value of 5 mg/m<sup>3</sup>, inhalable fraction form  
 Paraffinic Hydrocarbons, type TWA, value of 2 mg/m<sup>3</sup>, fume form  
 Mineral oil, type TWA, value of 5 mg/m<sup>3</sup>, inhalable fraction form  
 Hydrocarbons, type STEL, value of 10 mg/m<sup>3</sup>, mist form  
 Mineral oil, type STEL, value of 10 mg/m<sup>3</sup>, mist form

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Provide easy access to water supply and eye wash facilities.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear approved safety goggles. Wear a face shield when working with molten material.

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| Skin protection                | Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.  |
| Hand protection                |  |
| Other                          | The material may be utilized in molten form. Proper protective splash resistant clothing, thermal gloves, splash resistant shoes and eye shields must be worn to prevent injury. Use molten material in well ventilated areas. When working in confined areas, use of appropriate respiratory gear is recommended.   |
| Respiratory protection         | If engineering controls do not maintain airborne concentration below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. |
| Thermal hazards                | Wear appropriate thermal protective clothing, when necessary.  |
| General hygiene considerations | When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash working clothing and protective equipment to remove contaminants.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance<br>Form: Solid (slabs, prills, pastilles or granules)<br>Color: White to dark amber. | Melting point/freezing point: 114.8 – 203 °F (46 – 95 °C)<br>Initial bowling point/range: > 572 °F (> 300 °C) |
| Odor: None.   | Octanol/Water Partition Coefficient: Not data available.  |
| Odor threshold: No data available.  | pH Value: Not applicable.   |
| Vapor pressure: < 0.01 mm Hg<br>Vapor pressure temp: 77 °F (25 °C)                              | Flash point: > 347 °F (> 175 °C) ASTM D-93  |
| Relative density: 0.9 – 0.93 (H2O = 1)<br>Relative density temp: 77 °F (25 °C)                  | Flammability (solid, gaseous): Will support a flame above flash point.  |
| Vapor Density: > 5 (Air = 1)  | Ignition temperature: No data available.  |
| Evaporation rate: < 0.01 (Butyl acetate = 1)  | Decomposition temperature: No data available.   |
| Solubility (water): < 0.1%<br>Solubility temp (water): 68 °F (20 °C)                            | Explosion limits<br>Lower: 0.9%<br>Upper: 7%  |
| Viscosity: No data available.   | Oil/Water Partition Coefficient: < 0.01   |
| Percent volatile: Negligible  | Percent volatile: < 0.01 v/v  |

## 10. STABILITY AND REACTIVITY

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| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
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| Chemical stability                 | Material is stable under normal conditions.   |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.  |
| Conditions to avoid                | Avoid temperatures exceeding the flash point. Contact with incompatible materials.  |
| Incompatible materials             | Strong oxidizing agents.  |
| Hazardous decomposition products   | Decomposition of this product can generate carbon dioxide, carbon monoxide and other products such as aldehydes and ketones depending on conditions of oxidation. |

## 11. TOXICOLOGICAL INFORMATION

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| Inhalation   | Not relevant at normal room temperatures. When heated, irritating vapors may be formed. Wax fumes have been reported to be irritating to the respiratory tract, especially to sensitized persons. |
| Skin contact   | Health injuries are not known or expected under normal use. Molten material will produce thermal burns.   |
| Eye contact  | Health injuries are not known or expected under normal use. Molten material will produce thermal burns.   |
| Ingestion  | Health injuries are not known or expected under normal use. Contact with hot material can cause thermal burns, which may result in permanent damage.  |
| Symptoms related to the physical, chemical and toxicological characteristics | Eye and skin contact. When heated, contact with molten product can cause injuries.  |
| Acute toxicity   | Not expected to be acutely toxic.   |
| Skin corrosion/irritation  | Not classified. Thermal burn hazard – contact with hot material may cause thermal burns.  |
| Serious eye damage   | Not classified. Direct contact of molten product to the eyes will cause thermal burns and eye injuries.   |
| Respiratory sensitization  | Not classified.   |
| Skin sensitization   | This product is not expected to cause skin sensitization.   |
| Germ cell mutagenicity   | Not classified.   |
| Carcinogenicity  | Not expected to be hazardous by OSHA criteria.  |

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| Reproductive toxicity | Not classified.   |
| Organ toxicity        | Not classified.   |
| Aspiration hazard     | Not likely, due to the form of the product.   |
| Chronic effects       | Not expected to be hazardous by OSHA criteria. Exposure to vapors, fumes or smoke from molten material handled in confined areas can produce irritation of respiratory tracts, and possible physical discomfort to sensitive individuals. |

## 12. ECOLOGICAL INFORMATION

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| Ecotoxicity                   | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| Persistence and degradability | No data available.   |
| Bioaccumulative potential     | No data available.   |
| Mobility in soil              | The product is insoluble in water.   |
| Other adverse effects         | No other adverse environmental effects are expected from this component.   |

## 13. DISPOSAL CONSIDERATIONS

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|-------------------------------------|--|
| Disposal instructions               | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.                       |
| Local disposal regulations          | Dispose in accordance with all applicable regulations.   |
| Hazardous waste Code                | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| Waste from residues/unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residue. This material and its container must be disposed of in a safe manner (see: Disposal instructions) |
| Contaminated Packaging              | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is empty.       |

**14. TRANSPORTATION INFORMATION**

DOT Not regulated as dangerous goods.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

Transport in bulk according to Annex II of Marpol 73/78 and IBC Code Not applicable.

General information This product is not regulated as dangerous goods for solid. Hot molten product requires a class 9 "HOT" with statement: Elevated temperature material, liquid, N.O.S. 9, UN3257, III (WAX).

**15. REGULATORY INFORMATION**

US federal regulations This product is not known to be a "hazardous chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the US EPA TSCA Inventory List.

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|--|--------------------------|
| TSCA Section 12(b) Export Notification                                 | Not regulated.           |
| CERCLA Hazardous Substance List  | Not regulated.           |
| OSHA Specifically Regulated Substances                                 | Not regulated.           |
| SARA Section 302 Extremely hazardous substance                         | Not listed.              |
| SARA Section 311/312 Hazardous chemical                                | No.                      |
| SARA Section 304 Emergency release notification                        | Not regulated.           |
| SARA Section 313 Specific toxic chemical listings                      | Substance is not listed. |
| Clean Air Act Section 112  | Not regulated.           |
| Safe Drinking Water Act  | Not regulated.           |
| European Inventory of Existing Commercial Chemical Substances (EINECS) | Listed.                  |
| European List of Notified Chemical Substances (ELINCS)                 | Not listed.              |
| Inventory of Existing Commercial Chemical Substances (IECSC)           | Listed.                  |
| Canadian Non-Domestic Substances List (NDSL)                           | Not listed.              |
| Canadian Domestic Substances List (DSL)                                | Listed.                  |
| Toxic Substances Control Act (TSCA) Inventory                          | Listed.                  |
| Australian Inventory of Chemical Substances (AICS)                     | Listed.                  |
| Japanese Inventory of Existing and New Chemical Substances (ENCS)      | Not listed.              |
| Korean Existing Chemicals List (ECL)                                   | Listed.                  |
| New Zealand Inventory  | Listed.                  |
| Philippine Inventory of Chemicals and Chemicals Substances             | Listed.                  |
| Taiwan Chemical Substance Inventory (TCSI)                             | Listed.                  |

California Proposition 65 This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.



**16. OTHER INFORMATION**

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