

# SAFETY DATA SHEET

Revision Date 21-May-2015

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** Ideal J.D. Green

### Other means of identification

**Product Code** 35171  
**SKU(s)** 35171, 35174, 35175

### Recommended use of the chemical and restrictions on use

**Recommended Use** No information available.  
**Uses advised against** No information available

### Details of the supplier of the safety data sheet

**Manufacturer Address**  
Van Sickle Paint Mfg. Co.  
PO Box 82222  
Lincoln, NE 68501  
Phone: 402-476-6558  
Fax: 402-476-6749

### Emergency telephone number

**Emergency Telephone** Chemtrec 1-800-424-9300

## 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 1  |
| Germ cell mutagenicity                             | Category 1B |
| Carcinogenicity                                    | Category 1B |
| Reproductive toxicity                              | Category 2  |
| Specific target organ toxicity (repeated exposure) | Category 1  |
| Aspiration toxicity                                | Category 1  |
| Flammable liquids                                  | Category 3  |

### Emergency Overview

#### **Danger**

#### **Hazard statements**

May cause an allergic skin reaction  
May cause genetic defects  
May cause cancer  
Suspected of damaging fertility or the unborn child  
Causes damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
Flammable liquid and vapor

**Appearance** No information available**Physical state** liquid**Odor** No information available**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Use explosion-proof electrical/ ventilating/ lighting/ equipment

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

Unknown acute toxicity 8.8% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                     | CAS No.     | Weight-% | Trade Secret |
|-----------------------------------|-------------|----------|--------------|
| Solvent Naphtha, Medium Aliphatic | 64742-88-7  | 10 - 30  | *            |
| Chromium (III) oxide green        | 1308-38-9   | 3 - 7    | *            |
| Trade Secret                      | Proprietary | 1 - 5    | *            |
| Aromatic 100                      | 64742-95-6  | 0.1 - 1  | *            |
| Titanium dioxide                  | 13463-67-7  | 0.1 - 1  | *            |
| Methyl Ethyl Ketoxime             | 96-29-7     | 0.1 - 1  | *            |
| Stoddard Solvent                  | 8052-41-3   | 0.1 - 1  | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

|   |   |
|---|---|
| <b>General advice</b>                     | Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).   |
| <b>Eye contact</b>                        | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. |
| <b>Skin Contact</b>                       | Wash off immediately with plenty of water.  |
| <b>Inhalation</b>                         | Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.                 |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.  |
| <b>Self-protection of the first aider</b> | Remove all sources of ignition.   |

##### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

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

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

##### Specific hazards arising from the chemical

Flammable.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### 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

**Personal precautions** Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.

##### Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

##### Methods and material for containment and cleaning up

|                                |  |
|--------------------------------|--|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so.  |
| <b>Methods for cleaning up</b> | Pick up and transfer to properly labeled containers. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Soak up with inert absorbent material. |

## 7. HANDLING AND STORAGE

### Precautions for safe handling

|                                |  |
|--------------------------------|--|
| <b>Advice on safe handling</b> | Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. |
|--------------------------------|--|

### Conditions for safe storage, including any incompatibilities

|                               |  |
|-------------------------------|--|
| <b>Storage Conditions</b>     | Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). |
| <b>Incompatible materials</b> | None known based on information supplied.  |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name                           | ACGIH TLV                     | OSHA PEL  | NIOSH IDLH  |
|---|-------------------------------|---|---|
| Chromium (III) oxide green<br>1308-38-9 | TWA: 0.5 mg/m <sup>3</sup> Cr | TWA: 0.5 mg/m <sup>3</sup> Cr<br>(vacated) TWA: 0.5 mg/m <sup>3</sup> Cr                                      | IDLH: 25 mg/m <sup>3</sup> Cr(III)<br>TWA: 0.5 mg/m <sup>3</sup> Cr                                   |
| Titanium dioxide<br>13463-67-7          | TWA: 10 mg/m <sup>3</sup>     | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust                        | IDLH: 5000 mg/m <sup>3</sup>  |
| Stoddard Solvent<br>8052-41-3           | TWA: 100 ppm                  | TWA: 500 ppm<br>TWA: 2900 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 525 mg/m <sup>3</sup> | IDLH: 20000 mg/m <sup>3</sup><br>Ceiling: 1800 mg/m <sup>3</sup> 15 min<br>TWA: 350 mg/m <sup>3</sup> |

NIOSH IDLH *Immediately Dangerous to Life or Health*

|                          |   |
|--------------------------|---|
| <b>Other Information</b> | Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). |
|--------------------------|---|

### Appropriate engineering controls

|                             |   |
|-----------------------------|---|
| <b>Engineering Controls</b> | Showers<br>Eyewash stations<br>Ventilation systems. |
|-----------------------------|---|

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

|                                       |   |
|---------------------------------------|---|
| <b>Eye/face protection</b>            | Tight sealing safety goggles.   |
| <b>Skin and body protection</b>       | No special technical protective measures are necessary.   |
| <b>Respiratory protection</b>         | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| <b>General Hygiene Considerations</b> | When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | liquid                   | <b>Odor</b>           | No information available |
| <b>Appearance</b>     | No information available | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | No information available |                       |                          |

| Property                             | Values                   | Remarks • Method |
|--------------------------------------|--------------------------|------------------|
| <b>pH</b>                            | No information available |                  |
| <b>Melting point/freezing point</b>  | No information available |                  |
| <b>Boiling point / boiling range</b> | >= 100 °C / 212 °F       |                  |
| <b>Flash point</b>                   | 39 °C / 102 °F           |                  |
| <b>Evaporation rate</b>              | No information available |                  |
| <b>Flammability (solid, gas)</b>     | No information available |                  |
| <b>Flammability Limit in Air</b>     |                          |                  |
| <b>Upper flammability limit:</b>     | No information available |                  |
| <b>Lower flammability limit:</b>     | No information available |                  |
| <b>Vapor pressure</b>                | No information available |                  |
| <b>Vapor density</b>                 | No information available |                  |
| <b>Specific Gravity</b>              | 1.03                     |                  |
| <b>Water solubility</b>              | No information available |                  |
| <b>Solubility in other solvents</b>  | No information available |                  |
| <b>Partition coefficient</b>         | No information available |                  |
| <b>Autoignition temperature</b>      | No information available |                  |
| <b>Decomposition temperature</b>     | No information available |                  |
| <b>Kinematic viscosity</b>           | No information available |                  |
| <b>Dynamic viscosity</b>             | No information available |                  |
| <b>Explosive properties</b>          | No information available |                  |
| <b>Oxidizing properties</b>          | No information available |                  |

### Other Information

|                                   |                          |
|-----------------------------------|--------------------------|
| <b>Softening point</b>            | No information available |
| <b>Molecular weight</b>           | No information available |
| <b>VOC Content (%)</b>            | No information available |
| <b>Density</b>                    | 8.60 lbs/gal             |
| <b>Bulk density</b>               | No information available |
| <b>Percent solids by weight</b>   | 39.6%                    |
| <b>Percent volatile by weight</b> | 18.6%                    |
| <b>Percent solids by volume</b>   | 32.2%                    |
| <b>Actual VOC (lbs/gal)</b>       | 1.6                      |
| <b>Actual VOC (grams/liter)</b>   | 191.8                    |
| <b>EPA VOC (lbs/gal)</b>          | 2.8                      |
| <b>EPA VOC (grams/liter)</b>      | 338.6                    |
| <b>EPA VOC (lb/gal solids)</b>    | 5                        |

## 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

Heat, flames and sparks.

**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**

|                            |                    |
|----------------------------|--------------------|
| <b>Product Information</b> | No data available  |
| <b>Inhalation</b>          | No data available. |
| <b>Eye contact</b>         | No data available. |
| <b>Skin Contact</b>        | No data available. |
| <b>Ingestion</b>           | No data available. |

| Chemical Name                                   | Oral LD50             | Dermal LD50             | Inhalation LC50                   |
|---|-----------------------|-------------------------|-----------------------------------|
| Solvent Naphtha, Medium Aliphatic<br>64742-88-7 | > 5000 mg/kg ( Rat )  | = 3000 mg/kg ( Rabbit ) | > 5.28 mg/L ( Rat ) 4 h           |
| Trade Secret                                    | = 1540 mg/kg ( Rat )  | = 794 µL/kg ( Rabbit )  | = 36 g/m <sup>3</sup> ( Rat ) 4 h |
| Aromatic 100<br>64742-95-6                      | = 8400 mg/kg ( Rat )  | > 2000 mg/kg ( Rabbit ) | = 3400 ppm ( Rat ) 4 h            |
| Titanium dioxide<br>13463-67-7                  | > 10000 mg/kg ( Rat ) | -                       | -                                 |
| Methyl Ethyl Ketoxime<br>96-29-7                | = 930 mg/kg ( Rat )   | = 0.2 mg/kg ( Rabbit )  | = 20 mg/L ( Rat ) 4 h             |

**Information on toxicological effects**

**Symptoms** No information available.

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

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

| Chemical Name                           | ACGIH | IARC     | NTP | OSHA |
|---|-------|----------|-----|------|
| Chromium (III) oxide green<br>1308-38-9 | -     | Group 3  | -   | -    |
| Titanium dioxide<br>13463-67-7          | -     | Group 2B | -   | X    |

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans*

*Group 3 - Not classifiable as a human carcinogen*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**Reproductive toxicity**

Repeated inhalation or oral exposure of mice and rats to a trade secret chemical produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. Good industrial hygiene practice minimizes inhalation exposure to any chemical. In developmental toxicity studies in which rats and rabbits were exposed to a trade secret chemical by vapor inhalation at concentrations up to 700 ppm and 500 ppm respectively, no teratogenic effects were observed. A trade secret chemical administered to rats by whole body inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70 ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Chronic toxicity**

Contains a known or suspected reproductive toxin. See Section 11: TOXICOLOGICAL INFORMATION. May cause adverse liver effects.

**Target Organ Effects**

liver, Eyes, Skin.

**Aspiration hazard**

No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document mg/kg

|                                   |
|-----------------------------------|
| <b>12. ECOLOGICAL INFORMATION</b> |
|-----------------------------------|

This product contains a chemical which is listed as a marine pollutant according to DOT.

**Ecotoxicity**

9.63% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                                   | Algae/aquatic plants                                   | Fish   | Crustacea                             |
|---|--|--|---------------------------------------|
| Solvent Naphtha, Medium Aliphatic<br>64742-88-7 | 450: 96 h Pseudokirchneriella<br>subcapitata mg/L EC50 | 800: 96 h Pimephales promelas<br>mg/L LC50 static  | 100: 48 h Daphnia magna mg/L<br>EC50  |
| Trade Secret                                    | -  | 500: 96 h Brachydanio rerio mg/L<br>LC50 1000: 96 h Lepomis<br>macrochirus mg/L LC50   | 25.2: 24 h Daphnia magna mg/L<br>EC50 |
| Aromatic 100<br>64742-95-6                      | -  | 9.22: 96 h Oncorhynchus mykiss<br>mg/L LC50  | 6.14: 48 h Daphnia magna mg/L<br>EC50 |
| Methyl Ethyl Ketoxime<br>96-29-7                | 83: 72 h Desmodosmus subspicatus<br>mg/L EC50          | 777 - 914: 96 h Pimephales<br>promelas mg/L LC50 flow-through<br>760: 96 h Poecilia reticulata mg/L<br>LC50 static 320 - 1000: 96 h<br>Leuciscus idus mg/L LC50 static | 750: 48 h Daphnia magna mg/L<br>EC50  |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

| Chemical Name                    | Partition coefficient |
|----------------------------------|-----------------------|
| Trade Secret                     | 5.1                   |
| Methyl Ethyl Ketoxime<br>96-29-7 | 0.65                  |

**Other adverse effects**

No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

|                               |   |
|-------------------------------|---|
| <b>Disposal of wastes</b>     | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| <b>Contaminated packaging</b> | Do not reuse container.   |
| <b>US EPA Waste Number</b>    | D001 U239   |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                           | California Hazardous Waste Status |
|---|-----------------------------------|
| Chromium (III) oxide green<br>1308-38-9 | Toxic<br>Corrosive<br>Ignitable   |

### 14. TRANSPORT INFORMATION

|                         |  |
|-------------------------|--|
| <b>DOT</b>              | Not regulated  |
| <b>Marine pollutant</b> | This product contains a chemical which is listed as a marine pollutant according to DOT. |

### 15. REGULATORY INFORMATION

#### International Inventories

|                      |                   |
|----------------------|-------------------|
| <b>TSCA</b>          | Complies          |
| <b>DSL/NDSL</b>      | Complies *        |
| <b>EINECS/ELINCS</b> | Complies *        |
| <b>ENCS</b>          | Does not comply * |
| <b>IECSC</b>         | Complies *        |
| <b>KECL</b>          | Complies *        |
| <b>PICCS</b>         | Does not comply * |
| <b>AICS</b>          | Does not comply * |

\* This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

#### US Federal Regulations



**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                          | SARA 313 - Threshold Values % |
|--|-------------------------------|
| Chromium (III) oxide green - 1308-38-9 | 1.0                           |

**SARA 311/312 Hazard Categories**

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

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                           | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|-----------------------------|------------------------|---------------------------|----------------------------|
| Chromium (III) oxide green<br>1308-38-9 | -                           | X                      | -                         | -                          |

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name                   | California Proposition 65 |
|---------------------------------|---------------------------|
| Titanium dioxide - 13463-67-7   | Carcinogen                |
| Ethyl Benzene - 100-41-4        | Carcinogen                |
| Crystalline Silica - 14808-60-7 | Carcinogen                |

**U.S. State Right-to-Know Regulations**

| Chemical Name                                   | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Solvent Naphtha, Medium Aliphatic<br>64742-88-7 | X          | -             | -            |
| Chromium (III) oxide green<br>1308-38-9         | X          | X             | X            |
| Xylene<br>1330-20-7                             | X          | X             | X            |
| Diethylene Glycol Methyl Ether<br>111-77-3      | X          | X             | X            |
| Propylene Glycol Methyl Ether<br>107-98-2       | X          | X             | X            |
| Silica, Amorphous fumed<br>7631-86-9            | X          | X             | X            |
| Crystalline Silica<br>14808-60-7                | X          | X             | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**Hazardous air pollutants (HAPS) content**

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants':

| Chemical Name                           | Weight % of HAPS in Product | Pounds HAPS / Gal Product |
|---|-----------------------------|---------------------------|
| Chromium (III) oxide green<br>1308-38-9 | 6.05%                       | 0.52                      |

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

