

Bon[®]

SAFETY DATA SHEET

IRONOXX INTEGRAL CONCRETE PIGMENT - GREEN (5605)

1. PRODUCT AND COMPANY IDENTIFICATION

- **Product identifier**
- **Trade name:** Ironoxx Integral Concrete Pigment - Green (5605) - Part # 32-375; 32-395
- **CAS Number:**
1308-38-9
- **Recommended use and restriction on use**
- **Recommended use:** Industrial uses.
- **Restrictions on use:** Contact manufacturer.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Bon Tool Co
DBA Bonway
4430 Gibsonia Rd
Gibsonia PA 15044 USA
(724) 443-7080
- Revision date: 10/8/2015
- **Emergency telephone number:**
ChemTel Inc.
+1 (800)255-3924, +1 (813)248-0585

2. HAZARDS IDENTIFICATION

- **Classification of the substance or mixture**
The substance is not classified as hazardous according to the Globally Harmonized System (GHS).
- **Additional information:**
There are no other hazards not otherwise classified that have been identified.
0 % of the mixture consists of component(s) of unknown toxicity.

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- **Label elements**
 - **GHS label elements**
The product is not classified as hazardous according to OSHA GHS regulations within the United States.
 - **Hazard pictograms:** Not regulated.
 - **Signal word:** Not regulated.
 - **Hazard-determining components of labeling:** None.
 - **Hazard statements:** Not regulated.
 - **Precautionary statements:** Not regulated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- **Chemical characterization: Substances**
- **CAS No. Description**
1308-38-9 dichromium trioxide
- **Additional information:**
Product is a mixture of iron oxides. CAS number and name represent the most prevalent oxide.

4. FIRST AID MEASURES

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Brush off loose particles from skin.
Rinse with warm water.
If skin irritation is experienced, consult a doctor.
- **After eye contact:**
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:**
Gastric or intestinal disorders when ingested.
- **Danger:** No relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No relevant information available.

5. FIRE FIGHTING MEASURES

- **Extinguishing media**
- **Suitable extinguishing agents:**
The product is not flammable.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture** No relevant information available.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information:** No relevant information available.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose unusable material as waste according to item 13.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

- **Handling**
- **Precautions for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:**
 - Do not store together with acids.
 - Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:** None.
- **Specific end use(s):** No relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· Components with limit values that require monitoring at the workplace:	
1308-38-9 dichromium trioxide	
PEL (USA)	Long-term value: 0.5 mg/m ³ as Cr
REL (USA)	Long-term value: 0.5 mg/m ³ as Cr; See Pocket Guide App. C
TLV (USA)	Long-term value: 0.5 mg/m ³ as Cr
EL (Canada)	Long-term value: 0.5 mg/m ³ as Cr
LMPE (Mexico)	Long-term value: 0.5 mg/m ³ A4

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - The usual precautionary measures for handling chemicals should be followed.
 - Keep away from foodstuffs, beverages and feed.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:**
 - Not required under normal conditions of use.
 - Use suitable respiratory protective device when high concentrations are present.
- **Protection of hands:** Gloves not required under normal conditions of use.
- **Eye protection:**



Safety glasses

- **Body protection:** Not required under normal conditions of use.
- **Limitation and supervision of exposure into the environment** No special requirements.
- **Risk management measures** No special requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Information on basic physical and chemical properties**
- **General information**
- **Appearance:**
 - **Form:** Powder
 - **Color:** Green
- **Odor:** Odorless
- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition:**
 - **Melting point/Melting range:** 2435 °C (4415 °F)
 - **Boiling point/Boiling range:** Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Auto-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Not determined.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - **Lower:** Not determined.
 - **Upper:** Not determined.
- **Oxidizing properties:** Non-oxidizing.
- **Vapor pressure at 20 °C (68 °F):** 0 hPa
- **Density at 20 °C (68 °F):** 4.6 g/cm³ (38.387 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not applicable.
- **Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with:**
 - **Water:** Insoluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - **Dynamic:** Not applicable.
 - **Kinematic:** Not applicable.
- **Other information** No relevant information available.

10. STABILITY AND REACTIVITY

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** Reacts with strong acids and alkali.
- **Conditions to avoid:** No relevant information available.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:** Possible in traces.

11. TOXICOLOGICAL INFORMATION

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:		
1308-38-9 dichromium trioxide		
Oral	LD50	10000 mg/kg (rat)

- Primary irritant effect:
- On the skin: Based on available data, the classification criteria are not met.
- On the eye: Based on available data, the classification criteria are not met.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
When used and handled according to specifications, the product does not have any harmful effects.

- Carcinogenic categories

· IARC (International Agency for Research on Cancer)
Substance is not listed.

· NTP (National Toxicology Program):
Substance is not listed.

· OSHA-Ca (Occupational Safety & Health Administration):
Substance is not listed.

- Probable route(s) of exposure:
Ingestion.
Inhalation.
Eye contact.
Skin contact.
- Acute effects (acute toxicity, irritation and corrosivity): From product as supplied: None.
- Repeated dose toxicity: From product as supplied: None.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

- Toxicity
- Aquatic toxicity: No relevant information available.
- Persistence and degradability: Inorganic substance. Causes no biological oxygen consumption.
- Behavior in environmental systems
- Bioaccumulative potential: No relevant information available.
- Mobility in soil: No relevant information available.
- Additional ecological information
- General notes: Generally not hazardous for water
- Other adverse effects: No relevant information available.

13. DISPOSAL CONSIDERATIONS

· **Waste treatment methods**

· **Recommendation:**

Contact manufacturer for recycling information.

Smaller quantities can be disposed of with household waste.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

· **Uncleaned packagings**

· **Recommendation:** Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

· UN-Number	
· DOT, ADR, IMDG, IATA	Not regulated.
· UN proper shipping name	
· DOT, ADR, IMDG, IATA	Not regulated.
· Transport hazard class(es)	
· DOT, ADR, IMDG, IATA	
· Class	Not regulated.
· Packing group	
· DOT, ADR, IMDG, IATA	Not regulated.
· Environmental hazards	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation"	Not regulated.

15. REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

· Section 302 (extremely hazardous substances):
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Substance is not listed.

· Section 304 (emergency release notification):
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Substance is not listed.

· Sections 311/312 (hazardous chemical threshold planning quantity in pounds):

Substance is not listed.

· Section 355 (extremely hazardous substances):
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Substance is not listed.

· Section 313 (Specific toxic chemical listings):
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Substance is listed.

· TSCA (Toxic Substances Control Act)
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Substance is listed.

· Proposition 65 (California)

· Chemicals known to cause cancer:

Substance is not listed.

· Chemicals known to cause reproductive toxicity for females:
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Substance is not listed.

· Chemicals known to cause reproductive toxicity for males:
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Substance is not listed.

· Chemicals known to cause developmental toxicity:

Substance is not listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency):

1308-38-9 dichromium trioxide	D, CBD
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· IARC (International Agency for Research on Cancer):
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Substance is not listed.

· TLV (Threshold Limit Value established by ACGIH):
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1308-38-9 dichromium trioxide	A4
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· NIOSH-Ca (National Institute for Occupational Safety and Health):
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Substance is not listed.

· Canadian substance listings

· Canadian Domestic Substances List (DSL):

Substance is listed.

· Canadian Ingredient Disclosure list (limit 0.1%):
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Substance is not listed.

· Canadian Ingredient Disclosure list (limit 1%):
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Substance is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

· **Date of preparation / last revision** 10/08/2015 / -

· **Sources**

Website, European Chemicals Agency (<http://http://echa.europa.eu/>)

Website, US EPA Substance Registry Services (http://http://ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (<https://www.cas.org>)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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