

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 regulations

Printing date: May 18, 2017

Revision: May 18, 2017

1 Identification

- **Product identifier**
- **Trade name:** IMFLO RUST INHIBITIVE INDUSTRIAL ENAMEL
- **Product code:** 860 (White), 874 (Safety Yellow), 880 (Midtone), 881 (Deep), 882 (Accent), 883 (Neutral)
- **Other means of identification:** IMFLO Alkyd Gloss Industrial Enamel
- **Recommended use and restriction on use**
- **Recommended use:** Coating material
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Rose Talbert Paint Company
901 Frink Street
PO BOX 2658
Cayce-West Columbia, SC 29171
Phone: 803.796.0324
Fax: 803.791.0648
Email: info@rosetalbertpaint.com
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924 (North America)
+1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
- Flam. Liq. 3 H226 Flammable liquid and vapor.
- Skin Irrit. 2 H315 Causes skin irritation.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- Carc. 2 H351 Suspected of causing cancer.
- Repr. 2 H361 Suspected of damaging fertility or the unborn child.
- STOT SE 3 H336 May cause drowsiness or dizziness.
- STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.
- Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS02 GHS07 GHS08

- **Signal word:** Danger

- **Hazard statements:**

H226 Flammable liquid and vapor.

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- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to the hearing organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.

· Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe the mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P331 Do NOT induce vomiting.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Other hazards There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Components:

64742-47-8	Distillates (petroleum), hydrotreated light	30-45%
	<ul style="list-style-type: none"> Asp. Tox. 1, H304 Skin Irrit. 2, H315; STOT SE 3, H336 Flam. Liq. 4, H227 	

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100-41-4	ethylbenzene <ul style="list-style-type: none"> Flam. Liq. 2, H225 Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332 	25-35%
13463-67-7	titanium dioxide	<20%
1317-65-3	limestone	<15%
1332-58-7	Kaolin	<5%
1330-20-7	xylene <ul style="list-style-type: none"> Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315 	<2%
8052-41-3	Stoddard solvent <ul style="list-style-type: none"> Flam. Liq. 3, H226 STOT RE 1, H372; Asp. Tox. 1, H304 	<1%
22464-99-9	2-ethylhexanoic acid, zirconium salt <ul style="list-style-type: none"> Repr. 2, H361 	<1%
96-29-7	2-butanone oxime <ul style="list-style-type: none"> Carc. 2, H351 Eye Dam. 1, H318 Acute Tox. 4, H312; Skin Sens. 1, H317 Flam. Liq. 4, H227 	<1%
27253-31-2	Cobalt carboxylate <ul style="list-style-type: none"> Carc. 2, H351; Repr. 2, H361 Acute Tox. 4, H302; Skin Sens. 1, H317 	<1%
100-41-4	ethylbenzene <ul style="list-style-type: none"> Flam. Liq. 2, H225 Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332 Eye Irrit. 2B, H320 	<1%

· Additional information:

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
 For the wording of the listed Hazard Statements refer to section 16.

4 First-aid measures

· Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Immediately remove any clothing soiled by the product.
 Immediately wash with water and soap and rinse thoroughly.
 If skin irritation or rash occurs: Get medical advice/attention.

· **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:** Do not induce vomiting; immediately call for medical help.

· **Most important symptoms and effects, both acute and delayed:**

Headache

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Coughing
Allergic reactions
Dizziness
Irritant to skin and mucous membranes.
Slight irritant effect on eyes.

• **Danger:**

May be harmful if inhaled.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
May be fatal if swallowed and enters airways.
May cause damage to the hearing organs through prolonged or repeated exposure.

• **Indication of any immediate medical attention and special treatment needed:**

Contains Cobalt carboxylate, 2-butanone oxime. May produce an allergic reaction.
Treat skin and mucous membrane with antihistamine and corticoid preparations.

5 Fire-fighting measures

• **Extinguishing media**

• **Suitable extinguishing agents:**

Water fog / haze
Foam
Carbon dioxide
Gaseous extinguishing agents
Fire-extinguishing powder

• **For safety reasons unsuitable extinguishing agents:** Water stream.

• **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

• **Advice for firefighters**

• **Protective equipment:**

Wear self-contained respiratory protective device.
Wear fully protective suit.

• **Additional information:** Eliminate all ignition sources if safe to do so.

6 Accidental release measures

• **Personal precautions, protective equipment and emergency procedures**

Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Keep away from ignition sources.
Protect from heat.

• **Environmental precautions**

Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

• **Methods and material for containment and cleaning up**

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
Do not flush with water or aqueous cleansing agents

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Send for recovery or disposal in suitable receptacles.

· **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:**

Keep out of reach of children.

Avoid contact with the eyes and skin.

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Flammable gas-air mixtures may be formed in empty containers/receptacles.

Flammable liquid and vapor.

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

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Avoid storage near extreme heat, ignition sources or open flame.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizing agents.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Do not freeze.

· **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

64742-47-8 Distillates (petroleum), hydrotreated light

EL (Canada)	Long-term value: 200 mg/m ³ Skin
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100-41-4 ethylbenzene

PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm
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REL (USA)	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
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TLV (USA) Long-term value: 87 mg/m³, 20 ppm
BEI
EL (Canada) Long-term value: 20 ppm
IARC 2B
EV (Canada) Short-term value: 540 mg/m³, 125 ppm
Long-term value: 435 mg/m³, 100 ppm
LMPE (Mexico) Long-term value: 20 ppm

13463-67-7 titanium dioxide

PEL (USA) Long-term value: 15* mg/m³
*total dust
REL (USA) See Pocket Guide App. A
TLV (USA) Long-term value: 10 mg/m³
withdrawn from NIC
EL (Canada) Long-term value: 10* 3** mg/m³
*total dust,**respirable fraction; IARC 2B
EV (Canada) Long-term value: 10 mg/m³
total dust
LMPE (Mexico) Long-term value: 10 mg/m³
A4

1317-65-3 limestone

PEL (USA) Long-term value: 15* 5** mg/m³
*total dust ** respirable fraction
REL (USA) Long-term value: 10* 5** mg/m³
*total dust **respirable fraction

1332-58-7 Kaolin

PEL (USA) Long-term value: 15* 5** mg/m³
*total dust **respirable fraction
REL (USA) Long-term value: 10* 5** mg/m³
*total dust **respirable fraction
TLV (USA) Long-term value: 2* mg/m³
E; as respirable fraction
EL (Canada) Long-term value: 2 mg/m³
EV (Canada) Long-term value: 2(D) mg/m³
respirable
LMPE (Mexico) Long-term value: 2* mg/m³
A4, *fracción respirable

1330-20-7 xylene

PEL (USA) Long-term value: 435 mg/m³, 100 ppm
REL (USA) Short-term value: 655 mg/m³, 150 ppm
Long-term value: 435 mg/m³, 100 ppm
TLV (USA) Short-term value: 651 mg/m³, 150 ppm
Long-term value: 434 mg/m³, 100 ppm
BEI

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EL (Canada) Short-term value: 150 ppm
Long-term value: 100 ppm

EV (Canada) Short-term value: 650 mg/m³, 150 ppm
Long-term value: 435 mg/m³, 100 ppm

LMPE (Mexico) Short-term value: 150 ppm
Long-term value: 100 ppm
A4, IBE

8052-41-3 Stoddard solvent

PEL (USA) Long-term value: 2900 mg/m³, 500 ppm

REL (USA) Long-term value: 350 mg/m³
Ceiling limit value: 1800* mg/m³
*15-min

TLV (USA) Long-term value: 525 mg/m³, 100 ppm

EL (Canada) Short-term value: 580 mg/m³
Long-term value: 290 mg/m³

EV (Canada) Long-term value: 525 mg/m³

LMPE (Mexico) Long-term value: 100 ppm

22464-99-9 2-ethylhexanoic acid, zirconium salt

PEL (USA) Long-term value: 5 mg/m³
as Zr

REL (USA) Long-term value: 5 mg/m³
as Zr

TLV (USA) Short-term value: 10 mg/m³
Long-term value: 5 mg/m³
As Zr

EL (Canada) Short-term value: 10 mg/m³
Long-term value: 5 mg/m³
As Zr

96-29-7 2-butanone oxime

WEEL (USA) Long-term value: 10 ppm
DSEN

Ingredients with biological limit values:

100-41-4 ethylbenzene

BEI (USA) 0.7 g/g creatinine
Medium: urine
Time: end of shift at end of workweek
Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)

-
Medium: end-exhaled air
Time: not critical
Parameter: Ethyl benzene (semi-quantitative)

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1330-20-7 xylene

BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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· **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.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Keep ignition sources away - Do not smoke.

Pregnant women should strictly avoid inhalation or ingestion.

· **Engineering controls:** Provide adequate ventilation.

· **Breathing equipment:**

Not required under normal conditions of use.

NIOSH or EU approved dust respirator should be used for operations generating dust.

Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Eye protection:**



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment**

No relevant information available.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**

Form: Liquid

Color: According to product specification

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Melting point/Melting range:** Not determined.

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· Boiling point/Boiling range:	>35 °C (>95 °F)
· Flash point:	~40 °C (~104 °F)
· Flammability (solid, gaseous):	Not applicable.
· Auto-ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits Lower: Upper:	Not determined. Not determined.
· Oxidizing properties:	Non-oxidizing.
· Vapor pressure:	Not determined.
· Density: Relative density: Vapor density: Evaporation rate:	1.1-1.2 Not determined. Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity Dynamic: Kinematic at 40 °C (104 °F): VOC content:	Not determined. <20.5 mm ² /s (estimated) 439 g/L
· 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:**
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- **Possibility of hazardous reactions**
Flammable liquid and vapor.
Used empty containers may contain product gases which form explosive mixtures with air.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
- **Conditions to avoid** Keep ignition sources away - Do not smoke.
- **Incompatible materials** Oxidizers
- **Hazardous decomposition products**
Carbon monoxide and carbon dioxide
Hydrocarbons
Possible in traces:

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Toxic metal compounds

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11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

64742-47-8 Distillates (petroleum), hydrotreated light

Oral LD50 > 5000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

100-41-4 ethylbenzene

Oral LD50 3500 mg/kg (rat)

Dermal LD50 17800 mg/kg (rabbit)

1330-20-7 xylene

Oral LD50 4300 mg/kg (rat)

Dermal LD50 2000 mg/kg (rabbit)

· **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:** May cause sensitisation by skin contact.

· **IARC (International Agency for Research on Cancer):**

100-41-4	ethylbenzene	2B
13463-67-7	titanium dioxide	2B
14808-60-7	quartz	1

· **NTP (National Toxicology Program):**

Present in trace quantities.

14808-60-7 quartz

K

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Suspected of causing cancer.

· **Reproductive toxicity:** Suspected of damaging fertility or the unborn child.

· **STOT-single exposure:** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:**

May cause damage to the hearing organs through prolonged or repeated exposure.

· **Aspiration hazard:** May be fatal if swallowed and enters airways.

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity**
Toxic to aquatic life with long lasting effects.

100-41-4 ethylbenzene

EC50 1-10 mg/kg (daphnia)
LC50 1-10 mg/l (Green Algae (chlorophyta))
4.2 mg/l (Oncorhynchus mykiss)

1330-20-7 xylene

LC50 13.4 mg/l (pimephales promelas)

- **Persistence and degradability** The product is partially biodegradable. Significant residuals remain.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Due to mechanical actions of the product (e.g. agglutinations), damages may occur.
- **Additional ecological information**
- **General notes:** Avoid release to the environment.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. 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. Residual materials should be treated as hazardous.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT** NA1993
- **ADR, IMDG, IATA** UN1263

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<ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR, IMDG · IATA 	COMBUSTIBLE LIQUID, N.O.S (Petroleum distillates, Ethylbenzene) PAINT Paint
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· **Transport hazard class(es)**

· **DOT**



<ul style="list-style-type: none"> · Class · Label 	3 Combustible liquids 3
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· **ADR**



<ul style="list-style-type: none"> · Class · Label 	3 (F1) Flammable liquids 3
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· **IMDG**



<ul style="list-style-type: none"> · Class · Label 	3 Flammable liquids 3
--	--------------------------

· **IATA**



<ul style="list-style-type: none"> · Class · Label 	3 Flammable liquids 3
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· **Packing group**

<ul style="list-style-type: none"> · DOT, ADR, IMDG, IATA 	III
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· **Environmental hazards**

Product contains environmentally hazardous substances: Petroleum Distillates

· **Marine pollutant:**

Yes
Symbol (fish and tree)

· **Special precautions for user**

Warning: Flammable liquids

· **Danger code (Kemler):**

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· EMS Number:	F-E, <u>S-E</u>
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	Classified as combustible under US DOT regulations. Labeling is only required for single packages \geq 119 US gal / 450 L. Labeling as a Marine Pollutant is only required for bulk single package shipments. Bulk packaging consists of a maximum capacity of greater than 450 L (119 gallons) for a liquid and a maximum net mass greater than 400 kg (882 pounds) for a solid. (See 171.4(c))
· ADR	Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to provisions relevant to marine pollutants. (See 5.2.8.1)
	Limited Quantity for packages less than 30 kg gross and inner packagings less than 10 L each.
· IMDG	Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to provisions relevant to marine pollutants. (See 2.10.2.7)
	Limited Quantity for packages less than 30 kg gross and inner packagings less than 10 L each.
· IATA	
	Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each / 10 L net.

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15 Regulatory information

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

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

100-41-4	ethylbenzene
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1330-20-7	xylene
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· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

Reference to titanium dioxide is based on unbound respirable particles and is not generally applicable to product as supplied.

Reference to Crystalline Silica and/or Quartz is based on unbound respirable particles and is not generally applicable to product as supplied.

100-41-4	ethylbenzene
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13463-67-7	titanium dioxide
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14808-60-7	quartz
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· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

100-41-4	ethylbenzene					D
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1330-20-7	xylene					I
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· **IARC (International Agency for Research on Cancer):**

100-41-4	ethylbenzene					2B
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13463-67-7	titanium dioxide					2B
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27253-31-2	Cobalt carboxylate					2B
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14808-60-7	quartz					1
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· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

13463-67-7	titanium dioxide					
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(Cont'd. on page 15)

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 regulations

Printing date: May 18, 2017

Revision: May 18, 2017

Trade name: IMFLO RUST INHIBITIVE INDUSTRIAL ENAMEL

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14808-60-7 | quartz

• **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

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** May 18, 2017 / -

• **Abbreviations and acronyms:**

LDLo: Lowest Lethal Dose Observed

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxique

vPvB: very Persistent and very Bioaccumulative

NIOSH: l'Institut national de recherche sur la sécurité et la santé au travail / National Institute for Occupational Safety (États-Unis)

OSHA: Occupational Safety & Health Administration

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

Carc. 2: Carcinogenicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

• **Sources**

Website, European Chemicals Agency (echa.europa.eu)

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

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

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

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Safety Data Sheets, Individual Manufacturers

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