LA-CO Industries, Inc.

# Paint-Riter ™ Metal Ball Tip Black, Blue, Green, Orange, Red, Yellow

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations, Canada Hazardous Products Regulations (HPR) / Règlement sur les produits dangereux (RPD)

Issue date: 08/10/2020 Version: 1.0

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture

Product name : Paint-Riter ™ Metal Ball Tip Black, Blue, Green, Orange, Red, Yellow

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Paint.

Restrictions on use : No additional information available

### 1.3. Supplier

LA-CO Industries, Inc.
1201 Pratt Boulevard
Elk Grove Village, IL. 60007-5746
Phone: (847) 956-7600
Fax: (847) 956-9885
E-mail: customer_service@laco.com

### 1.4. Emergency telephone number

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887;
全国应急中心 0532 8388 9090

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

**GHS classification**

| | |
|---|---|
| Flammable liquids, Category 2 | H225 Highly flammable liquid and vapour. |
| Serious eye damage/eye irritation, Category 2A | H319 Causes serious eye irritation. |
| Skin sensitisation, category 1B | H317 May cause an allergic skin reaction. |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis | H336 May cause drowsiness or dizziness. |

Full text of H statements : see section 16

### 2.2. GHS Label elements, including precautionary statements

**GHS-US labelling**

Hazard pictograms (GHS) :

Signal word (GHS) : Danger

Hazard statements (GHS US) :
H225 - Highly flammable liquid and vapour.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

Precautionary statements (GHS) :
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face 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/face protection.
P302+P352 - If on skin: Wash with plenty of water.
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.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a poison center/doctor if you feel unwell
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS_US)

0.38% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
0.38% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
0.38% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % (w/w) | GHS classification |
|---|---|---|---|
| 1-Methoxy-2-propanol | (CAS-No.) 107-98-2 | 20 - 70 | Flam. Liq. 3, H226<br>STOT SE 3, H336 |
| Rosin, fumarated, polymer with ethylene glycol and pentaerythritol | (CAS-No.) 68152-57-8 | 10 - 15 | Eye Irrit. 2A, H319<br>Skin Sens. 1B, H317<br>Aquatic Chronic 4, H413 |
| ethanol | (CAS-No.) 64-17-5 | 3 - 15 | Flam. Liq. 2, H225 |
| 2-methoxy-1-methylethyl acetate | (CAS-No.) 108-65-6 | 0 - 5 | Flam. Liq. 3, H226 |
| 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) | (CAS-No.) 2786-76-7 | 0 - 3 | Skin Sens. 1, H317 |
| Isopropanol | (CAS-No.) 67-63-0 | 0.5 - 3 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336 |
| Ethyl acetate | (CAS-No.) 141-78-6 | 1 - 3 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336 |
| Carbon black | (CAS-No.) 1333-86-4 | 0 - 1 | Carc. 2, H351 |
| Titanium dioxide | (CAS-No.) 13463-67-7 | 0 - 1 | Carc. 2, H351 |

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact : Wash skin thoroughly with mild soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Get medical advice/attention.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Small fires: Carbon dioxide. Dry chemical. Foam. Inert gas. Large fires: Water fog. Water spray.

Unsuitable extinguishing media : None known.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Burning produces irritating, toxic and noxious fumes. Carbon oxides (CO, CO2). Highly flammable liquid and vapour. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. Flammable vapours may accumulate in the container.

Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers.

Reactivity : No dangerous reactions known.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Cool adjacent structures and containers with water spray to protect and prevent ignition. Eliminate all ignition sources if safe to do so.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Do not breathe aerosol. Do not breathe vapour. Do not get in eyes, on skin, or on clothing.

#### 6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Refer to section 8.2.

Emergency procedures : Stop leak if safe to do so. Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Eliminate all ignition sources. Stop the flow of material, if this is without risk.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Take up in non-combustible absorbent material and shove into container for disposal.

### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Do not breathe aerosol. Do not breathe vapours. Do not get in eyes, on skin, or on clothing.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Keep in fireproof place. Keep container closed when not in use.

| | | |
|---|---|---|
| Incompatible products | : | Strong oxidizers. |
| Incompatible materials | : | Heat sources. |
| Storage temperature | : | < 50 °C |
| Heat and ignition sources | : | Keep away from heat, sparks and flame. |
| Prohibitions on mixed storage | : | Keep away from incompatible materials. |
| Storage area | : | Store in dry, cool, well-ventilated area. |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| 1-Methoxy-2-propanol (107-98-2) | | |
|---|---|---|
| ACGIH | Local name | 1-Methoxy-2-propanol |
| ACGIH | ACGIH TWA (mg/m³) | 369 mg/m³ |
| ACGIH | ACGIH TWA (ppm) | 50 ppm |
| ACGIH | ACGIH STEL (mg/m³) | 553 mg/m³ |
| ACGIH | ACGIH STEL (ppm) | 100 ppm |
| ACGIH | Remark (ACGIH) | Eye irr; CNS impair; A4 (Not classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of a lack of data. In vitro or animal studies do not provide indications of carcinogenicity which are sufficient to classify the agent into one of the other categories) |
| NIOSH | NIOSH REL (TWA) (mg/m³) | 360 mg/m³ |
| NIOSH | NIOSH REL (TWA) (ppm) | 100 ppm |
| NIOSH | NIOSH REL (STEL) (mg/m³) | 540 mg/m³ |
| NIOSH | NIOSH REL (STEL) (ppm) | 150 ppm |

| Rosin, fumarated, polymer with ethylene glycol and pentaerythritol (68152-57-8) |
|---|
| Not applicable |

| 2-methoxy-1-methylethyl acetate (108-65-6) |
|---|
| Not applicable |

| ethanol (64-17-5) | | |
|---|---|---|
| ACGIH | Local name | Ethanol |
| ACGIH | ACGIH TWA (mg/m³) | 1884 mg/m³ |
| ACGIH | ACGIH TWA (ppm) | 1000 ppm |
| ACGIH | ACGIH STEL (ppm) | 1000 ppm |
| ACGIH | Remark (ACGIH) | TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| ACGIH | Regulatory reference | ACGIH 2020 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 1900 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 1000 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| NIOSH | NIOSH REL (TWA) (mg/m³) | 1900 mg/m³ |
| NIOSH | NIOSH REL (TWA) (ppm) | 1000 ppm |

| Isopropanol (67-63-0) | | |
|---|---|---|
| ACGIH | Local name | 2-Propanol |
| ACGIH | ACGIH TWA (mg/m³) | 490 mg/m³ |
| ACGIH | ACGIH TWA (ppm) | 200 ppm |
| ACGIH | ACGIH STEL (mg/m³) | 960 mg/m³ |
| ACGIH | ACGIH STEL (ppm) | 400 ppm |

| Isopropanol (67-63-0) | | |
|---|---|---|
| ACGIH | Remark (ACGIH) | TLV® Basis: Eye & URT irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |
| ACGIH | Regulatory reference | ACGIH 2020 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 980 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 400 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| NIOSH | NIOSH REL (TWA) (mg/m³) | 980 mg/m³ |
| NIOSH | NIOSH REL (TWA) (ppm) | 400 ppm |
| NIOSH | NIOSH REL (STEL) (mg/m³) | 1225 mg/m³ |
| NIOSH | NIOSH REL (STEL) (ppm) | 500 ppm |

| Ethyl acetate (141-78-6) | | |
|---|---|---|
| ACGIH | Local name | Ethyl acetate |
| ACGIH | ACGIH TWA (mg/m³) | 1440 mg/m³ |
| ACGIH | ACGIH TWA (ppm) | 400 ppm |
| ACGIH | Remark (ACGIH) | TLV® Basis: URT & eye irr |
| ACGIH | Regulatory reference | ACGIH 2020 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 1400 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 400 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| NIOSH | NIOSH REL (TWA) (mg/m³) | 1400 mg/m³ |
| NIOSH | NIOSH REL (TWA) (ppm) | 400 ppm |

| 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7) |
|---|
| Not applicable |

| Titanium dioxide (13463-67-7) | | |
|---|---|---|
| ACGIH | Local name | Titanium dioxide |
| ACGIH | ACGIH TWA (mg/m³) | 10 mg/m³ |
| ACGIH | Remark (ACGIH) | TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen) |
| ACGIH | Regulatory reference | ACGIH 2020 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 15 mg/m³ |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

| Carbon black (1333-86-4) | | |
|---|---|---|
| ACGIH | Local name | Carbon black |
| ACGIH | ACGIH TWA (mg/m³) | 3 mg/m³ (I - Inhalable particulate matter) |
| ACGIH | Remark (ACGIH) | TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| ACGIH | Regulatory reference | ACGIH 2020 |
| OSHA | OSHA PEL (TWA) (mg/m³) | 3.5 mg/m³ |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| NIOSH | NIOSH REL (TWA) (mg/m³) | 3.5 mg/m³ |
| NIOSH | NIOSH REL (STEL) (mg/m³) | 0.1 mg/m³ |

**8.2. Appropriate engineering controls**

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

### 8.3. Individual protection measures/Personal protective equipment

**Personal protective equipment:**

Avoid all unnecessary exposure.

**Hand protection:**

None under normal use. In case of repeated or prolonged contact wear gloves. Nitrile rubber

**Eye protection:**

None under normal use. In case of splashing or aerosol production: protective goggles.

**Respiratory protection:**

None under normal use

**Other information:**

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | Solid marker containing liquid colored paint. |
| Colour | : | Various |
| Odour | : | Solvent |
| Odour threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | No data available |
| Freezing point | : | No data available |
| Boiling point | : | 120 °C |
| Flash point | : | 13 °C |
| Relative evaporation rate (butylacetate=1) | : | < 1 |
| Flammability (solid, gas) | : | Highly flammable liquid and vapour. |
| Vapour pressure | : | 11.8 |
| Relative vapour density at 20 °C | : | No data available |
| Relative density | : | 1 – 1.33 |
| Solubility | : | insoluble in water. |
| Log Pow | : | 0.7 |
| Auto-ignition temperature | : | 287 °C |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosive limits | : | No data available |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |

### 9.2. Other information

VOC content : 50 – 60 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Open flame. Direct sunlight.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

May release flammable gases. Burning produces irritating, toxic and noxious fumes. Carbon oxides (CO, CO2).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

| | |
|---|---|
| Unknown acute toxicity (GHS_US) | 0.38% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)<br>0.38% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)<br>0.38% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)) |

| **1-Methoxy-2-propanol (107-98-2)** | |
|---|---|
| LD50 oral rat | 4016 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |
| LC50 inhalation rat (ppm) | > 7000 ppm 6 hr |
| ATE (oral) | 4016 mg/kg bodyweight |

| **2-methoxy-1-methylethyl acetate (108-65-6)** | |
|---|---|
| LD50 oral rat | 8532 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| LC50 inhalation rat (ppm) | 4345 ppm 6 h |
| ATE (oral) | 8532 mg/kg bodyweight |

| **ethanol (64-17-5)** | |
|---|---|
| LD50 oral rat | 10470 mg/kg |
| LD50 dermal rabbit | > 20000 mg/kg |
| LC50 inhalation rat (mg/l) | 133.8 mg/l/4h |
| ATE (oral) | 10470 mg/kg bodyweight |
| ATE (vapours) | 133.8 mg/l/4h |
| ATE (dust,mist) | 133.8 mg/l/4h |

| **Isopropanol (67-63-0)** | |
|---|---|
| LD50 oral rat | 5840 mg/kg |
| LD50 dermal rabbit | 16.4 ml/kg |
| LC50 inhalation rat (ppm) | > 10000 ppm/4h |
| ATE (oral) | 5840 mg/kg bodyweight |
| ATE (dermal) | 16400 mg/kg bodyweight |

| **Ethyl acetate (141-78-6)** | |
|---|---|
| LD50 oral rat | 4934 mg/kg |
| LD50 dermal rabbit | > 20000 mg/kg |
| LC50 inhalation rat (mg/l) | > 18 mg/l/4h |
| ATE (oral) | 4934 mg/kg bodyweight |

| **4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7)** | |
|---|---|
| LD50 oral rat | > 15000 mg/kg |
| LC50 inhalation rat (mg/l) | > 1580 mg/m³ 4 h |

| **Titanium dioxide (13463-67-7)** | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LC50 inhalation rat (mg/l) | > 6.82 mg/l/4h |

| Carbon black (1333-86-4) | |
|---|---|
| LD50 oral rat | > 8000 mg/kg |
| LC50 inhalation rat (mg/l) | > 4.6 mg/m³ 4 h |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction. Not classified.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified.

| ethanol (64-17-5) | |
|---|---|
| IARC group | 1 - Carcinogenic to humans, Alcoholic beverages |

| Isopropanol (67-63-0) | |
|---|---|
| IARC group | 3 - Not classifiable |

| Titanium dioxide (13463-67-7) | |
|---|---|
| NOAEL (chronic, oral, animal/male, 2 years) | 5 mg/kg bodyweight rat |
| Additional information | Carcinogen, cat 1A or 1B<br>Inhalation of dust |
| IARC group | 2B - Possibly carcinogenic to humans |

| Carbon black (1333-86-4) | |
|---|---|
| IARC group | 2B - Possibly carcinogenic to humans, Inhalation of dust |

Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

| 1-Methoxy-2-propanol (107-98-2) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

| Isopropanol (67-63-0) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

| Ethyl acetate (141-78-6) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified

| Ethyl acetate (141-78-6) | |
|---|---|
| NOAEL (subchronic, oral, animal/male, 90 days) | 900 mg/kg bodyweight |
| NOAEL (subchronic, oral, animal/female, 90 days) | 900 mg/kg bodyweight |

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Likely routes of exposure : Inhalation. Skin and eye contact.

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

## SECTION 12: Ecological information

### 12.1. Toxicity

| 1-Methoxy-2-propanol (107-98-2) | |
|---|---|
| LC50 fish 1 | 20800 mg/l |
| EC50 crustacea | 23300 mg/l |

| 1-Methoxy-2-propanol (107-98-2) | |
|---|---|
| ErC50 (algae) | > 1000 mg/l |

| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|---|
| LC50 fish 1 | 100 – 180 mg/l |
| EC50 crustacea | > 500 mg/l 48 h |
| ErC50 (algae) | > 1000 mg/l |

| ethanol (64-17-5) | |
|---|---|
| LC50 fish 1 | 14200 mg/l |
| EC50 crustacea | 5012 mg/l |

| Isopropanol (67-63-0) | |
|---|---|
| LC50 fish 1 | 10000 mg/l |

| Ethyl acetate (141-78-6) | |
|---|---|
| LC50 fish 1 | 220 mg/l |
| EC50 crustacea | 1200 mg/l |
| NOEC chronic fish | < 9.35 mg/l |

| 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7) | |
|---|---|
| LC50 fish 1 | > 500 mg/l 96 h |
| EC50 crustacea | > 110 mg/l 48 h |

### 12.2. Persistence and degradability

| Paint-Riter ™ Metal Ball Tip Black, Blue, Green, Orange, Red, Yellow | |
|---|---|
| Persistence and degradability | Not established. |

| 1-Methoxy-2-propanol (107-98-2) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | 96 % 28 d |

| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | 89 % 10 d |

| ethanol (64-17-5) | |
|---|---|
| Biodegradation | > 96 % 28 d |

| Isopropanol (67-63-0) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |

| Ethyl acetate (141-78-6) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |

| 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7) | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 0 % 28 d |

| Carbon black (1333-86-4) | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |

### 12.3. Bioaccumulative potential

| Paint-Riter ™ Metal Ball Tip Black, Blue, Green, Orange, Red, Yellow | |
|---|---|
| Log Pow | 0.7 |
| Bioaccumulative potential | Not established. |

| 1-Methoxy-2-propanol (107-98-2) | |
|---|---|
| Bioaccumulative potential | Not expected to bioaccumulate. |

| 2-methoxy-1-methylethyl acetate (108-65-6) | |
|---|---|
| Log Pow | 0.43 |

| ethanol (64-17-5) | |
|---|---|
| Bioaccumulative potential | Not expected to bioaccumulate. |

| Isopropanol (67-63-0) | |
|---|---|
| Bioaccumulative potential | Not expected to bioaccumulate. |

| Ethyl acetate (141-78-6) | |
|---|---|
| Bioaccumulative potential | Not expected to bioaccumulate. |

| 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7) | |
|---|---|
| BCF fish 1 | 53 l/kg |
| Log Pow | 1.28 |

### 12.4. Mobility in soil

| Paint-Riter ™ Metal Ball Tip Black, Blue, Green, Orange, Red, Yellow | |
|---|---|
| Ecology - soil | Not established. |

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Handle empty containers with care because residual vapours are flammable.

## SECTION 14: Transport information

**Department of Transportation (DOT)**

In accordance with DOT

Transport document description : UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, II

UN-No.(DOT) : UN1263

Proper Shipping Name (DOT) : Paint

including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base

Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group (DOT) : II - Medium Danger

Hazard labels (DOT) : 3 - Flammable liquid


Other information : No supplementary information available.

**Transportation of Dangerous Goods**

Transport document description : UN 1263 PAINT, 3, II

UN-No. (TDG) : UN 1263

Proper Shipping Name (Transportation of Dangerous Goods) : PAINT

Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Packing group : II - Medium Danger

**Transport by sea**

Transport document description (IMDG) : UN 1263 PAINT, 3, II

UN-No. (IMDG) : 1263

| | | |
|---|---|---|
| Proper Shipping Name (IMDG) | : | PAINT |
| Class (IMDG) | : | 3 - Flammable liquids |
| Packing group (IMDG) | : | II - substances presenting medium danger |
| Limited quantities (IMDG) | : | 5 L |

**Air transport**

| | | |
|---|---|---|
| Transport document description (IATA) | : | UN 1263 PAINT, 3, II |
| UN-No. (IATA) | : | 1263 |
| Proper Shipping Name (IATA) | : | PAINT |
| Class (IATA) | : | 3 - Flammable Liquids |
| Packing group (IATA) | : | II - Medium Danger |

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

| **2-methoxy-1-methylethyl acetate (108-65-6)** | |
|---|---|
| EPA TSCA Regulatory Flag | P - P - indicates a commenced Premanufacture Notice (PMN) substance. |

| **Isopropanol (67-63-0)** | |
|---|---|
| Subject to reporting requirements of United States SARA Section 313 | |
| SARA Section 311/312 Hazard Classes | Fire hazard |

| **Ethyl acetate (141-78-6)** | |
|---|---|
| CERCLA RQ | 5000 lb |

### 15.2. International regulations

**CANADA**

| **1-Methoxy-2-propanol (107-98-2)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

| **Rosin, fumarated, polymer with ethylene glycol and pentaerythritol (68152-57-8)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

| **2-methoxy-1-methylethyl acetate (108-65-6)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

| **ethanol (64-17-5)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

| **Isopropanol (67-63-0)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

| **Ethyl acetate (141-78-6)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

| **4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

| **Titanium dioxide (13463-67-7)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

| **Carbon black (1333-86-4)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) inventory. |

**EU-Regulations**

| **1-Methoxy-2-propanol (107-98-2)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

| **Rosin, fumarated, polymer with ethylene glycol and pentaerythritol (68152-57-8)** |
|---|
| Listed on ELINCS (European List of Notified Chemical Substances) |

| **Isopropanol (67-63-0)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

| **4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

| **Titanium dioxide (13463-67-7)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

| **Carbon black (1333-86-4)** |
|---|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

**National regulations**

| **Paint-Riter ™ Metal Ball Tip Black, Blue, Green, Orange, Red, Yellow** |
|---|
| All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL). |

| **1-Methoxy-2-propanol (107-98-2)** |
|---|
| Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on Taiwan National Chemical Inventory<br>Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory) |

| **Rosin, fumarated, polymer with ethylene glycol and pentaerythritol (68152-57-8)** |
|---|
| Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on Taiwan National Chemical Inventory<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Not listed on Phillipines Inventory of Chemicals and Chemical Substances (PICCS)<br>Not listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory) |

| **ethanol (64-17-5)** |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on the Chinese Catalog of Hazardous Chemicals.<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on Taiwan National Chemical Inventory<br>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory) |

| **Isopropanol (67-63-0)** |
|---|
| Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on Taiwan National Chemical Inventory<br>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory) |

| **Ethyl acetate (141-78-6)** |
|---|
| Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on the Chinese Catalog of Hazardous Chemicals.<br>Listed on Chinese List of Hazardous Chemicals for Priority Management-SAWS<br>Listed on the China threshold of permit for use of hazardous chemicals<br>Listed on the TCSI (Taiwan Chemical Substance Inventory)<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory)<br>Listed on the Korea Designated Existing Substances List (First Batch).<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) |

| **4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7)** |
|---|
| Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) |

| **4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide, C.I. Pigment Red 170 (naphthol <1%) (2786-76-7)** |
|---|
| Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on Taiwan National Chemical Inventory<br>Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory) |

| **Titanium dioxide (13463-67-7)** |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on Taiwan National Chemical Inventory<br>Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on the TCSI (Taiwan Chemical Substance Inventory)<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on the Japanese ISHL (Industrial Safety and Health Law)<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory) |

| **Carbon black (1333-86-4)** |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)<br>Listed on NZIoC (New Zealand Inventory of Chemicals)<br>Listed on the AICS (Australian Inventory of Chemical Substances)<br>Listed on Taiwan National Chemical Inventory<br>Listed on KECL/KECI (Korean Existing Chemicals Inventory)<br>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory<br>Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).<br>Listed on the Japanese ISHL (Industrial Safety and Health Law) |

**15.3. US State regulations**

| **Paint-Riter ™ Metal Ball Tip Black, Blue, Green, Orange, Red, Yellow** | |
|---|---|
| State or local regulations | The Carbon black in this product is bound and is not respirable.<br>The titanium dioxide in this product is bound and is not respirable.<br>California Prop. 65 warnings are not required. |

| **Component** | **State or local regulations** |
|---|---|
| 1-Methoxy-2-propanol(107-98-2) | U.S. - Idaho - Occupational Exposure Limits - Ceilings; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Minnesota - Hazardous Substance List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Right to Know List of Hazardous Chemicals; U.S. - Washington - Permissible Exposure Limits - STELs; U.S. - Washington - Permissible Exposure Limits - TWAs |
| 2-methoxy-1-methylethyl acetate(108-65-6) | U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations |
| Titanium dioxide(13463-67-7) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| ethanol(64-17-5) | U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances; U.S. - Pennsylvania - RTK (Right to Know) List |
| Isopropanol(67-63-0) | U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances |
| Ethyl acetate(141-78-6) | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances; U.S. - Pennsylvania - RTK (Right to Know) List |
| Carbon black(1333-86-4) | U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List |

## SECTION 16: Other information

Data sources : ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html.

Other information : None.

Full text of H-statements:

| | |
|---|---|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H351 | Suspected of causing cancer. |
| H413 | May cause long lasting harmful effects to aquatic life. |

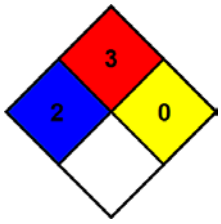
Abbreviations and acronyms:

| | |
|---|---|
| | ATE: Acute Toxicity Estimate |
| | CAS (Chemical Abstracts Service) number |
| | CLP: Classification, Labelling, Packaging. |
| | EC50: Environmental Concentration associated with a response by 50% of the test population. |
| | GHS: Globally Harmonized System (of Classification and Labeling of Chemicals). |
| | LD50: Lethal Dose for 50% of the test population |
| | OSHA: Occupational Safety & Health Administration |
| | PBT: Persistent, Bioaccumulative, Toxic |
| | TWA: Time Weighted Average |
| | TSCA: Toxic Substances Control Act |

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.





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