

# All-Weather® Plastic Tag Marker Black

## 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)

Date of issue: 08/08/2011

Revision date: 05/23/2018

Version: 3.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Trade name : All-Weather® Plastic Tag Marker Black

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Marking.  
 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

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

|  |      |  |
|--|------|--|
| Flam. Liq. 2                           | H225 | Highly flammable liquid and vapour.                                |
| Acute Tox. 4<br>(Inhalation:dust,mist) | H332 | Harmful if inhaled.  |
| Skin Irrit. 2                          | H315 | Causes skin irritation.  |
| Eye Irrit. 2A                          | H319 | Causes serious eye irritation.                                     |
| Skin Sens. 1                           | H317 | May cause an allergic skin reaction.                               |
| Carc. 2                                | H351 | Suspected of causing cancer.                                       |
| STOT SE 3                              | H335 | May cause respiratory irritation.                                  |
| STOT RE 2                              | H373 | May cause damage to organs through prolonged or repeated exposure. |
| Aquatic Chronic 3                      | H412 | Harmful to aquatic life with long lasting effects.                 |

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

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

##### GHS-US labelling

Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) :

- H225 - Highly flammable liquid and vapour.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H332 - Harmful if inhaled.
- H335 - May cause respiratory irritation.
- H351 - Suspected of causing cancer.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS-US) :

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- 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, lighting, ventilating equipment.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.

# All-Weather® Plastic Tag Marker Black

## 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)

P260 - Do not breathe mist, spray, vapours.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands 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  
P273 - Avoid release to the environment.  
P280 - Wear eye protection, protective gloves.  
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.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P312 - Call a doctor if you feel unwell  
P314 - Get medical advice/attention if you feel unwell.  
P321 - Specific treatment (see First aid measures on this label)  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P363 - Wash contaminated clothing before reuse.  
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO<sub>2</sub>), dry extinguishing powder 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)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier    | %       | GHS-US classification   |
|---|-----------------------|---------|---|
| Xylene  | (CAS-No.) 1330-20-7   | 25 - 35 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315   |
| 4-methylpentan-2-one  | (CAS-No.) 108-10-1    | 15 - 25 | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation), H332<br>Eye Irrit. 2A, H319<br>STOT SE 3, H335   |
| ethylbenzene  | (CAS-No.) 100-41-4    | 5 - 10  | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>STOT RE 2, H373<br>Asp. Tox. 1, H304   |
| 2-phenoxyethanol  | (CAS-No.) 122-99-6    | 5 - 10  | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2A, H319  |
| C.I. Solvent Black 29   | (CAS-No.) 117527-94-3 | 5 - 10  | Aquatic Chronic 2, H411   |
| 2-Oxepanone, polymer with 1,1'-methylenebis[4-isocyanatocyclohexane] and 2,2'-oxybis[ethanol] | (CAS-No.) 54954-83-5  | 1 - 7   | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317<br>STOT SE 3, H336<br>STOT SE 3, H335 |
| Carbon black  | (CAS-No.) 1333-86-4   | 1 - 3   | Carc. 2, H351   |
| diacetone alcohol   | (CAS-No.) 123-42-2    | 0.5 - 2 | Flam. Liq. 4, H227<br>Eye Irrit. 2A, H319   |

# All-Weather® Plastic Tag Marker Black

## 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)

| Name  | Product identifier   | %          | GHS-US classification  |
|---|----------------------|------------|--|
| Naphthalene                                     | (CAS-No.) 91-20-3    | 0.01 - 0.2 | Acute Tox. 4 (Oral), H302<br>Carc. 2, H351<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate | (CAS-No.) 41556-26-7 | 0.1 - 0.2  | Flam. Liq. 4, H227<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |

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

Comments : Concentration ranges are due to batch differences.

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 : Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash with plenty of water/.... Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : 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 : Get medical advice/attention if you feel unwell.

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

- Symptoms/effects : Causes damage to organs. Suspected of causing cancer.
- Symptoms/effects after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause respiratory irritation.
- Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.
- 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

All treatments should be based on observed signs and symptoms of distress in the patient.

### SECTION 5: Fire-fighting measures

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

- Suitable extinguishing media : Carbon dioxide. Dry chemical. Foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Highly flammable liquid and vapour. Burning produces irritating, toxic and noxious fumes.
- Explosion hazard : May form flammable/explosive vapour-air mixture.
- Reactivity : No dangerous reactions known.

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

- Firefighting instructions : Cool adjacent structures and containers with water spray to protect and prevent ignition. Do not allow run-off from fire fighting to enter drains or water courses. Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. EN469.

### 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. Avoid all eye and skin contact and do not breathe vapour and mist.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Chemical goggles or safety glasses. Wear suitable protective clothing and gloves.

# All-Weather® Plastic Tag Marker Black

## 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)

Emergency procedures : Evacuate unnecessary personnel.

### 6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves. Chemical goggles or safety glasses.

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

### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or the environment.

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

For containment : Absorb and/or contain spill with inert material, then place in suitable container.

Methods for cleaning up : 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. Avoid all eye and skin contact and do not breathe vapour and mist. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.

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

Incompatible products : Strong oxidizers.

Incompatible materials : Heat sources. Direct sunlight.

Prohibitions on mixed storage : Incompatible materials.

Storage area : Store in dry, cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| 4-methylpentan-2-one (108-10-1) |                                       |                              |
|---------------------------------|---------------------------------------|------------------------------|
| ACGIH                           | Local name                            | Methyl isobutyl ketone       |
| ACGIH                           | ACGIH TWA (mg/m <sup>3</sup> )        | 205 mg/m <sup>3</sup>        |
| ACGIH                           | ACGIH TWA (ppm)                       | 20 ppm                       |
| ACGIH                           | ACGIH STEL (mg/m <sup>3</sup> )       | 307 mg/m <sup>3</sup>        |
| ACGIH                           | ACGIH STEL (ppm)                      | 75 ppm                       |
| ACGIH                           | Remark (ACGIH)                        | URT irr; dizziness; headache |
| OSHA                            | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 410 mg/m <sup>3</sup>        |
| OSHA                            | OSHA PEL (TWA) (ppm)                  | 100 ppm                      |
| NIOSH                           | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 205 mg/m <sup>3</sup>        |
| NIOSH                           | NIOSH REL (TWA) (ppm)                 | 50 ppm                       |
| NIOSH                           | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 300 mg/m <sup>3</sup>        |
| NIOSH                           | NIOSH REL (STEL) (ppm)                | 75 ppm                       |
| diacetone alcohol (123-42-2)    |                                       |                              |
| ACGIH                           | Local name                            | Diacetone alcohol            |
| ACGIH                           | ACGIH TWA (mg/m <sup>3</sup> )        | 238 mg/m <sup>3</sup>        |

# All-Weather® Plastic Tag Marker Black

## 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)

| <b>diacetone alcohol (123-42-2)</b> |                                       |                                   |
|-------------------------------------|---------------------------------------|-----------------------------------|
| ACGIH                               | ACGIH TWA (ppm)                       | 50 ppm                            |
| ACGIH                               | Remark (ACGIH)                        | URT & eye irr                     |
| OSHA                                | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 240 mg/m <sup>3</sup>             |
| OSHA                                | OSHA PEL (TWA) (ppm)                  | 50 ppm                            |
| NIOSH                               | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 240 mg/m <sup>3</sup>             |
| NIOSH                               | NIOSH REL (TWA) (ppm)                 | 50 ppm                            |
| <b>Xylene (1330-20-7)</b>           |                                       |                                   |
| ACGIH                               | Local name                            | Xylene                            |
| ACGIH                               | ACGIH TWA (mg/m <sup>3</sup> )        | 434 mg/m <sup>3</sup>             |
| ACGIH                               | ACGIH TWA (ppm)                       | 100 ppm                           |
| ACGIH                               | ACGIH STEL (mg/m <sup>3</sup> )       | 651 mg/m <sup>3</sup>             |
| ACGIH                               | ACGIH STEL (ppm)                      | 150 ppm                           |
| ACGIH                               | Remark (ACGIH)                        | URT & eye irr; CNS impair         |
| OSHA                                | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 435 mg/m <sup>3</sup>             |
| OSHA                                | OSHA PEL (TWA) (ppm)                  | 100 ppm                           |
| NIOSH                               | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 435 mg/m <sup>3</sup>             |
| NIOSH                               | NIOSH REL (TWA) (ppm)                 | 100 ppm                           |
| NIOSH                               | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 655 mg/m <sup>3</sup>             |
| NIOSH                               | NIOSH REL (STEL) (ppm)                | 150 ppm                           |
| <b>ethylbenzene (100-41-4)</b>      |                                       |                                   |
| ACGIH                               | Local name                            | Ethyl benzene                     |
| ACGIH                               | ACGIH TWA (mg/m <sup>3</sup> )        | 434 mg/m <sup>3</sup>             |
| ACGIH                               | ACGIH TWA (ppm)                       | 20 ppm                            |
| ACGIH                               | ACGIH STEL (mg/m <sup>3</sup> )       | 543 mg/m <sup>3</sup>             |
| ACGIH                               | ACGIH STEL (ppm)                      | 125 ppm                           |
| ACGIH                               | Remark (ACGIH)                        | URT irr; kidney dam (nephropathy) |
| OSHA                                | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 435 mg/m <sup>3</sup>             |
| OSHA                                | OSHA PEL (TWA) (ppm)                  | 100 ppm                           |
| NIOSH                               | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 435 mg/m <sup>3</sup>             |
| NIOSH                               | NIOSH REL (TWA) (ppm)                 | 100 ppm                           |
| NIOSH                               | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 545 mg/m <sup>3</sup>             |
| NIOSH                               | NIOSH REL (STEL) (ppm)                | 125 ppm                           |
| <b>2-phenoxyethanol (122-99-6)</b>  |                                       |                                   |
| Not applicable                      |                                       |                                   |
| <b>Carbon black (1333-86-4)</b>     |                                       |                                   |
| ACGIH                               | Local name                            | Carbon black                      |
| ACGIH                               | ACGIH TWA (mg/m <sup>3</sup> )        | 3 mg/m <sup>3</sup>               |
| ACGIH                               | Remark (ACGIH)                        | Bronchitis                        |
| OSHA                                | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 3.5 mg/m <sup>3</sup>             |
| NIOSH                               | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 3.5 mg/m <sup>3</sup>             |
| NIOSH                               | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 0.1 mg/m <sup>3</sup>             |
| <b>Naphthalene (91-20-3)</b>        |                                       |                                   |
| ACGIH                               | Local name                            | Naphthalene                       |

# All-Weather® Plastic Tag Marker Black

## 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)

| <b>Naphthalene (91-20-3)</b>  |                                       |   |
|---|---------------------------------------|---|
| ACGIH   | ACGIH TWA (mg/m <sup>3</sup> )        | 52 mg/m <sup>3</sup>  |
| ACGIH   | ACGIH TWA (ppm)                       | 10 ppm  |
| ACGIH   | ACGIH STEL (mg/m <sup>3</sup> )       | 79 mg/m <sup>3</sup>  |
| ACGIH   | ACGIH STEL (ppm)                      | 15 ppm  |
| ACGIH   | Remark (ACGIH)                        | Hematologic eff; URT & eye irr; Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure) |
| OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 50 mg/m <sup>3</sup>  |
| OSHA  | OSHA PEL (TWA) (ppm)                  | 10 ppm  |
| NIOSH   | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 50 mg/m <sup>3</sup>  |
| NIOSH   | NIOSH REL (TWA) (ppm)                 | 10 ppm  |
| NIOSH   | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 75 mg/m <sup>3</sup>  |
| NIOSH   | NIOSH REL (STEL) (ppm)                | 15 ppm  |
| <b>bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)</b>   |                                       |   |
| Not applicable  |                                       |   |
| <b>2-Oxepanone, polymer with 1,1'-methylenebis[4-isocyanatocyclohexane] and 2,2'-oxybis[ethanol] (54954-83-5)</b> |                                       |   |
| Not applicable  |                                       |   |
| <b>C.I. Solvent Black 29 (117527-94-3)</b>  |                                       |   |
| Not applicable  |                                       |   |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Avoid creating mist or spray. Either local exhaust or general room ventilation is usually required.  
Environmental exposure controls : Avoid release to the environment.

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

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear suitable gloves. Use rubber gloves. EN 374

#### Eye protection:

Chemical goggles or safety glasses. EN166

#### Skin and body protection:

Wear suitable protective clothing. Long sleeved protective clothing. EN702

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Use an approved respirator equipped with oil/mist cartridges.

#### Other information:

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

# All-Weather® Plastic Tag Marker Black

## 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)

### 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                                     | : Black   |
| Odour                                      | : Solvent                                       |
| Odour threshold                            | : No data available                             |
| pH   | : No data available                             |
| Melting point                              | : No data available                             |
| Freezing point                             | : No data available                             |
| Boiling point                              | : 117 °C  |
| Flash point                                | : 14 °C   |
| Relative evaporation rate (butylacetate=1) | : No data available                             |
| Flammability (solid, gas)                  | : Highly flammable liquid and vapour.           |
| Vapour pressure                            | : No data available                             |
| Relative vapour density at 20 °C           | : No data available                             |
| Relative density                           | : < 1   |
| Solubility                                 | : No data available                             |
| Log Pow                                    | : No data available                             |
| Auto-ignition temperature                  | : No data available                             |
| 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 : 85 %

### 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. Heat.

#### 10.5. Incompatible materials

Strong oxidizers.

#### 10.6. Hazardous decomposition products

May release flammable gases. Burning produces irritating, toxic and noxious fumes.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                             |   |
|-----------------------------|---|
| Acute toxicity (oral)       | : Not classified                            |
| Acute toxicity (dermal)     | : Not classified                            |
| Acute toxicity (inhalation) | : Inhalation:dust,mist: Harmful if inhaled. |

|                    |               |
|--------------------|---------------|
| ATE US (dust,mist) | 2.078 mg/l/4h |
|--------------------|---------------|

# All-Weather® Plastic Tag Marker Black

## 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)

| <b>4-methylpentan-2-one (108-10-1)</b>  |                                |
|---|--------------------------------|
| LD50 dermal rat   | > 2000 mg/kg                   |
| LC50 inhalation rat (ppm)   | 2000 (2000 - 4000) ppm/4h      |
| ATE US (gases)  | 2000 ppmv/4h                   |
| ATE US (vapours)  | 11 mg/l/4h                     |
| ATE US (dust,mist)  | 1.5 mg/l/4h                    |
| <b>diacetone alcohol (123-42-2)</b>   |                                |
| LD50 oral rat   | 4000 mg/kg                     |
| LD50 dermal rabbit  | 13630 mg/kg                    |
| ATE US (oral)   | 4000 mg/kg bodyweight          |
| ATE US (dermal)   | 13630 mg/kg bodyweight         |
| <b>Xylene (1330-20-7)</b>   |                                |
| LD50 oral rat   | > 3500 mg/kg                   |
| ATE US (dermal)   | 1100 mg/kg bodyweight          |
| ATE US (gases)  | 4500 ppmv/4h                   |
| ATE US (vapours)  | 11 mg/l/4h                     |
| ATE US (dust,mist)  | 1.5 mg/l/4h                    |
| <b>ethylbenzene (100-41-4)</b>  |                                |
| LD50 oral rat   | 3500 mg/kg                     |
| LD50 dermal rabbit  | 17.8 ml/kg                     |
| LC50 inhalation rat (ppm)   | < 1500 ppm                     |
| ATE US (oral)   | 3500 mg/kg bodyweight          |
| ATE US (dust,mist)  | 1.5 mg/l/4h                    |
| <b>2-phenoxyethanol (122-99-6)</b>  |                                |
| LD50 oral rat   | 1850 mg/kg bodyweight          |
| LD50 dermal rabbit  | > 5000 mg/kg                   |
| LC50 inhalation rat (mg/l)  | > 1000 mg/m <sup>3</sup>       |
| ATE US (oral)   | 1850 mg/kg bodyweight          |
| <b>Carbon black (1333-86-4)</b>   |                                |
| LD50 oral rat   | > 8000 mg/kg                   |
| LC50 inhalation rat (mg/l)  | > 4.6 mg/m <sup>3</sup> 4 h    |
| <b>Naphthalene (91-20-3)</b>  |                                |
| LD50 oral rat   | 490 mg/kg                      |
| LD50 dermal rabbit  | 20 g/kg                        |
| LC50 inhalation rat (mg/l)  | > 340 mg/m <sup>3</sup> 1 hour |
| ATE US (oral)   | 490 mg/kg bodyweight           |
| ATE US (dermal)   | 20000 mg/kg bodyweight         |
| <b>bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)</b>   |                                |
| LD50 oral rat   | 2369 (2369 - 3920) mg/kg       |
| ATE US (oral)   | 2369 mg/kg bodyweight          |
| <b>2-Oxepanone, polymer with 1,1'-methylenebis[4-isocyanatocyclohexane] and 2,2'-oxybis[ethanol] (54954-83-5)</b> |                                |
| ATE US (oral)   | 500 mg/kg bodyweight           |
| ATE US (dermal)   | 1100 mg/kg bodyweight          |
| ATE US (gases)  | 4500 ppmv/4h                   |
| ATE US (vapours)  | 11 mg/l/4h                     |
| ATE US (dust,mist)  | 1.5 mg/l/4h                    |
| <b>C.I. Solvent Black 29 (117527-94-3)</b>  |                                |
| LD50 oral rat   | > 5000 mg/kg bodyweight        |
| LD50 dermal rat   | > 2000 mg/kg bodyweight        |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Causes skin irritation.              |
| Serious eye damage/irritation     | : Causes serious eye irritation.       |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity            | : Not classified                       |



# All-Weather® Plastic Tag Marker Black

## 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)

Carcinogenicity : Suspected of causing cancer.

| <b>4-methylpentan-2-one (108-10-1)</b>   |  |
|--|--|
| IARC group                               | 2B - Possibly carcinogenic to humans                     |
| <b>Xylene (1330-20-7)</b>                |  |
| IARC group                               | 3 - Not classifiable                                     |
| <b>ethylbenzene (100-41-4)</b>           |  |
| IARC group                               | 2B - Possibly carcinogenic to humans                     |
| <b>Carbon black (1333-86-4)</b>          |  |
| IARC group                               | 2B - Possibly carcinogenic to humans, Inhalation of dust |
| <b>Naphthalene (91-20-3)</b>             |  |
| IARC group                               | 2B - Possibly carcinogenic to humans                     |
| National Toxicology Program (NTP) Status | Reasonably anticipated to be Human Carcinogen            |

Reproductive toxicity : Not classified  
STOT-single exposure : May cause respiratory irritation.

| <b>4-methylpentan-2-one (108-10-1)</b> |                                   |
|--|-----------------------------------|
| STOT-single exposure                   | May cause respiratory irritation. |

| <b>2-Oxepanone, polymer with 1,1'-methylenebis[4-isocyanatocyclohexane] and 2,2'-oxybis[ethanol] (54954-83-5)</b> |  |
|---|--|
| STOT-single exposure  | May cause drowsiness or dizziness. May cause respiratory irritation. |

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

| <b>ethylbenzene (100-41-4)</b> |  |
|--------------------------------|--|
| STOT-repeated exposure         | May cause damage to organs through prolonged or repeated exposure. |

| <b>2-phenoxyethanol (122-99-6)</b>               |                            |
|--|----------------------------|
| NOAEL (subchronic, oral, animal/male, 90 days)   | 700 mg/kg bodyweight rat   |
| NOAEL (subchronic, oral, animal/female, 90 days) | 938.8 mg/kg bodyweight rat |

Aspiration hazard : Not classified  
Viscosity, kinematic : No data available  
Likely routes of exposure : Skin and eye contact. Inhalation.  
Symptoms/effects : Causes damage to organs. Suspected of causing cancer.  
Symptoms/effects after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled. May cause respiratory irritation.  
Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.  
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

Ecology - water : Harmful to aquatic life with long lasting effects.

| <b>4-methylpentan-2-one (108-10-1)</b> |                |
|--|----------------|
| LC50 fish 1                            | > 179 96 h     |
| EC50 Daphnia 1                         | > 200 48 h     |
| <b>diacetone alcohol (123-42-2)</b>    |                |
| LC50 fish 1                            | 420 mg/l 96 h  |
| EC50 Daphnia 1                         | 9000 mg/l 24 h |

# All-Weather® Plastic Tag Marker Black

## 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)

| <b>ethylbenzene (100-41-4)</b> |          |
|--------------------------------|----------|
| LC50 fish 1                    | 5.1 mg/l |
| EC50 other aquatic organisms 1 | 7.7 mg/l |
| NOEC (acute)                   | 3.3 mg/l |

| <b>2-phenoxyethanol (122-99-6)</b> |                                   |
|------------------------------------|-----------------------------------|
| LC50 fish 1                        | 344 mg/l 96 h Pimephales promelas |
| EC50 Daphnia 1                     | > 500 mg/l 48 h                   |
| LOEC (chronic)                     | 50 mg/l 34 days                   |
| NOEC (chronic)                     | 23 mg/l 34 days                   |

| <b>Naphthalene (91-20-3)</b>   |  |
|--------------------------------|--|
| LC50 fish 1                    | > 0.91 (0.91 - 2.82) mg/l Oncornhynchus mykiss |
| EC50 Daphnia 1                 | >= 1.96 mg/l                                   |
| EC50 other aquatic organisms 1 | 33 mg/l  |
| LC50 fish 2                    | > 1 (1 - 6.5) mg/l Pimpephales promelas        |
| LOEC (acute)                   | 3.2 mg/l                                       |
| NOEC (acute)                   | 1.8 mg/l                                       |

| <b>bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)</b> |                |
|---|----------------|
| LC50 fish 1   | 0.97 mg/l 96 h |
| EC50 Daphnia 1  | 20 mg/l 24 h   |

| <b>C.I. Solvent Black 29 (117527-94-3)</b> |             |
|--|-------------|
| LC50 fish 1                                | 2 mg/l 96 h |

### 12.2. Persistence and degradability

| <b>All-Weather® Plastic Tag Marker Black</b> |   |
|--|---|
| Persistence and degradability                | May cause long-term adverse effects in the environment. |

| <b>4-methylpentan-2-one (108-10-1)</b> |                        |
|--|------------------------|
| Persistence and degradability          | Readily biodegradable. |

| <b>diacetone alcohol (123-42-2)</b> |                        |
|-------------------------------------|------------------------|
| Persistence and degradability       | Readily biodegradable. |
| Biodegradation                      | 100 % 14 d             |

| <b>ethylbenzene (100-41-4)</b> |                  |
|--------------------------------|------------------|
| Persistence and degradability  | Not established. |

| <b>2-phenoxyethanol (122-99-6)</b> |                        |
|------------------------------------|------------------------|
| Persistence and degradability      | Readily biodegradable. |
| Biodegradation                     | > 90 % 3 days          |

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

| <b>bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)</b> |           |
|---|-----------|
| Biodegradation  | 38 % 28 d |

| <b>C.I. Solvent Black 29 (117527-94-3)</b> |                            |
|--|----------------------------|
| Persistence and degradability              | Not readily biodegradable. |

### 12.3. Bioaccumulative potential

| <b>4-methylpentan-2-one (108-10-1)</b> |     |
|--|-----|
| Log Pow                                | 1.9 |

| <b>diacetone alcohol (123-42-2)</b> |      |
|-------------------------------------|------|
| Log Pow                             | 1.03 |

| <b>Xylene (1330-20-7)</b> |                                |
|---------------------------|--------------------------------|
| BCF fish 1                | 1.3 mg/l                       |
| Bioaccumulative potential | Not expected to bioaccumulate. |

# All-Weather® Plastic Tag Marker Black

## 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)

| ethylbenzene (100-41-4)                                      |                     |
|--|---------------------|
| Bioaccumulative potential                                    | Not established.    |
| 2-phenoxyethanol (122-99-6)                                  |                     |
| Bioconcentration factor (BCF REACH)                          | 0.3493 calculated   |
| Log Pow  | 1.2                 |
| Naphthalene (91-20-3)  |                     |
| BCF fish 1   | >= 427 (427 - 1158) |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7) |                     |
| Log Pow  | 0.37                |
| C.I. Solvent Black 29 (117527-94-3)                          |                     |
| Log Pow  | < 3.7 @ 20 °C       |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

|                                 |   |
|---------------------------------|---|
| Waste treatment methods         | : Do not dispose in household garbage.                                      |
| 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. |
| Ecology - waste materials       | : Avoid release to the environment.   |

## 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<br>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  |



|   |       |
|---|-------|
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 173 |
| DOT Packaging Bulk (49 CFR 173.xxx)     | : 242 |

# All-Weather® Plastic Tag Marker Black

## 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)

|  |   |
|--|---|
| DOT Special Provisions (49 CFR 172.102)                          | : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packagings may be increased to 5 L (1.3 gallons).<br>B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.<br>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.<br>T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.<br>TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).<br>TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 150   |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 5 L   |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 60 L  |
| DOT Vessel Stowage Location                                      | : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.   |
| Other information  | : No supplementary information available.   |

### Transportation of Dangerous Goods

|  |                                   |
|--|-----------------------------------|
| Transport document description                           | : UN1263 PAINT, 3, II             |
| UN-No. (TDG)   | : UN1263                          |
| Proper Shipping Name (Transportation of Dangerous Goods) | : PAINT                           |
| TDG 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

# All-Weather® Plastic Tag Marker Black

## 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)

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|                      |                   |             |
|----------------------|-------------------|-------------|
| 4-methylpentan-2-one | CAS-No. 108-10-1  | 15 - 25%    |
| Xylene               | CAS-No. 1330-20-7 | 25 - 35%    |
| ethylbenzene         | CAS-No. 100-41-4  | 5 - 10%     |
| Naphthalene          | CAS-No. 91-20-3   | 0.01 - 0.2% |

### 4-methylpentan-2-one (108-10-1)

CERCLA RQ 5000 lb

### Xylene (1330-20-7)

CERCLA RQ 100 lb

### ethylbenzene (100-41-4)

CERCLA RQ 1000 lb

### Naphthalene (91-20-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 100 lb

SARA Section 311/312 Hazard Classes  
Delayed (chronic) health hazard  
Immediate (acute) health hazard

## 15.2. International regulations

### CANADA

#### 4-methylpentan-2-one (108-10-1)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### diacetone alcohol (123-42-2)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Xylene (1330-20-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### ethylbenzene (100-41-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### 2-phenoxyethanol (122-99-6)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Carbon black (1333-86-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Naphthalene (91-20-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### 2-Oxepanone, polymer with 1,1'-methylenebis[4-isocyanatocyclohexane] and 2,2'-oxybis[ethanol] (54954-83-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### C.I. Solvent Black 29 (117527-94-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

### EU-Regulations

#### 4-methylpentan-2-one (108-10-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### diacetone alcohol (123-42-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Xylene (1330-20-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### ethylbenzene (100-41-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

# All-Weather® Plastic Tag Marker Black

## 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)

### 2-phenoxyethanol (122-99-6)

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)

### bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### C.I. Solvent Black 29 (117527-94-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

## National regulations

### All-Weather® Plastic Tag Marker Black

All components are listed on the EEC inventory European Inventory of Existing Commercial Chemical Substances (EINECS).

All ingredients are listed in the Toxic Substances Control Act (TSCA).

All ingredients are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

### 4-methylpentan-2-one (108-10-1)

Listed on IARC (International Agency for Research on Cancer)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on Taiwan National Chemical Inventory

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Chinese Catalog of Hazardous Chemicals.

Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

### diacetone alcohol (123-42-2)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on Taiwan National Chemical Inventory

Listed on the Chinese Catalog of Hazardous Chemicals.

Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

### Xylene (1330-20-7)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on Taiwan National Chemical Inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Chinese Catalog of Hazardous Chemicals.

### ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on Taiwan National Chemical Inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Chinese Catalog of Hazardous Chemicals.

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

### 2-phenoxyethanol (122-99-6)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on Taiwan National Chemical Inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

# All-Weather® Plastic Tag Marker Black

## 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)

### Carbon black (1333-86-4)

Listed on IARC (International Agency for Research on Cancer)  
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
 Listed on NZIoC (New Zealand Inventory of Chemicals)  
 Listed on the AICS (Australian Inventory of Chemical Substances)  
 Listed on Taiwan National Chemical Inventory  
 Listed on the Korean ECL (Existing Chemicals List)  
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
 Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).

### Naphthalene (91-20-3)

Listed on IARC (International Agency for Research on Cancer)  
 Listed as carcinogen on NTP (National Toxicology Program)

### bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
 Listed on NZIoC (New Zealand Inventory of Chemicals)  
 Listed on the AICS (Australian Inventory of Chemical Substances)  
 Listed on Taiwan National Chemical Inventory  
 Listed on the Inventory of Existing Chemical Substances Produced or Imported in China (IECSC).  
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
 Listed on the Korean ECL (Existing Chemicals List)

### 2-Oxepanone, polymer with 1,1'-methylenebis[4-isocyanatocyclohexane] and 2,2'-oxybis[ethanol] (54954-83-5)

Polymer exempt from EINECS.  
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
 Listed on KECI (Korean Existing Chemicals Inventory)  
 Listed on NZIoC (New Zealand Inventory of Chemicals)  
 Listed on Taiwan National Chemical Inventory  
 Listed on the AICS (Australian Inventory of Chemical Substances)  
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
 Not listed on Philippines Inventory of Chemicals and Chemical Substances (PICCS)

### C.I. Solvent Black 29 (117527-94-3)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
 Listed on KECI (Korean Existing Chemicals Inventory)  
 Listed on NZIoC (New Zealand Inventory of Chemicals)  
 Listed on Taiwan National Chemical Inventory  
 Listed on the AICS (Australian Inventory of Chemical Substances)  
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

## 15.3. US State regulations

### All-Weather® Plastic Tag Marker Black

|                            |  |
|----------------------------|--|
| State or local regulations | The carbon black in this product is bound and is not respirable.<br>California Prop. 65 warnings are not required. |
|----------------------------|--|

**⚠ WARNING:** This product can expose you to 4-methylpentan-2-one, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

| Component                      | Carcinogenicity | Developmental toxicity | Reproductive toxicity male | Reproductive toxicity female | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
|--------------------------------|-----------------|------------------------|----------------------------|------------------------------|----------------------------------|-------------------------------------|
| 4-methylpentan-2-one(108-10-1) | X               | X                      |                            |                              |                                  |                                     |
| Naphthalene(91-20-3)           | X               |                        |                            |                              | 5.8 µg/day                       |                                     |
| ethylbenzene(100-41-4)         | X               |                        |                            |                              | 54 (inhalation)                  |                                     |
| Carbon black(1333-86-4)        | X               |                        |                            |                              |                                  |                                     |
| Toluene(108-88-3)              |                 | X                      |                            |                              | 7000                             |                                     |

# All-Weather® Plastic Tag Marker Black

## 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)

| Component   | State or local regulations   |
|---|--|
| 4-methylpentan-2-one(108-10-1)  | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities<br>U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances<br>U.S. - Pennsylvania - RTK (Right to Know) List  |
| (2-Methoxymethylethoxy)-propanol(34590-94-8)  | U.S. - Idaho - Occupational Exposure Limits - Ceilings<br>U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations<br>U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - New York - Right to Know List of Hazardous Chemicals<br>U.S. - Minnesota - Hazardous Substance List<br>U.S. - Washington - Permissible Exposure Limits - TWAs<br>U.S. - Washington - Permissible Exposure Limits - STELS<br>U.S. - Massachusetts - Right To Know List<br>U.S. - Pennsylvania - RTK (Right to Know) List |
| diacetone alcohol(123-42-2)   |  |
| 2-Oxepanone, polymer with 1,1'-methylenebis[4-isocyanatocyclohexane] and 2,2'-oxybis[ethanol](54954-83-5) |  |
| Naphthalene(91-20-3)  | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities<br>U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances<br>U.S. - Pennsylvania - RTK (Right to Know) List  |
| Xylene(1330-20-7)   | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities<br>U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances<br>U.S. - Pennsylvania - RTK (Right to Know) List  |
| ethylbenzene(100-41-4)  | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities<br>U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances<br>U.S. - Pennsylvania - RTK (Right to Know) List  |
| 2-phenoxyethanol(122-99-6)  | U.S. - Pennsylvania - RTK (Right to Know) List   |
| Carbon black(1333-86-4)   | U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations<br>U.S. - New Jersey - Right to Know Hazardous Substance List   |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate(41556-26-7)   |  |
| C.I. Solvent Black 29(117527-94-3)  |  |

### SECTION 16: Other information

Revision date : 05/23/2018



# All-Weather® Plastic Tag Marker Black

## 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)

Data sources : ESIS (European chemical Substances Information System; accessed at: <http://esis.jrc.ec.europa.eu/index.php?PGM=cla>. ACGIH 2000. European Chemicals Agency (ECHA) Registered Substances list. Accessed at <http://echa.europa.eu/>. 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. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information : None.

### Full text of H-statements:

|                                     |  |
|-------------------------------------|--|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4  |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4  |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4   |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4  |
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1                            |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment — Chronic Hazard, Category 1                          |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment — Chronic Hazard, Category 2                          |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment — Chronic Hazard, Category 3                          |
| Asp. Tox. 1                         | Aspiration hazard, Category 1  |
| Carc. 2                             | Carcinogenicity, Category 2  |
| Eye Irrit. 2A                       | Serious eye damage/eye irritation, Category 2A   |
| Flam. Liq. 2                        | Flammable liquids, Category 2  |
| Flam. Liq. 3                        | Flammable liquids, Category 3  |
| Flam. Liq. 4                        | Flammable liquids, Category 4  |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1                        | Skin sensitisation, Category 1   |
| STOT RE 2                           | Specific target organ toxicity — Repeated exposure, Category 2                             |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Narcosis                     |
| H225                                | Highly flammable liquid and vapour.  |
| H226                                | Flammable liquid and vapour.   |
| H227                                | Combustible liquid   |
| H302                                | Harmful if swallowed.  |
| H304                                | May be fatal if swallowed and enters airways.  |
| H312                                | Harmful in contact with skin.  |
| H315                                | Causes skin irritation.  |
| H317                                | May cause an allergic skin reaction.   |
| H319                                | Causes serious eye irritation.   |
| H332                                | Harmful if inhaled.  |
| H335                                | May cause respiratory irritation.  |
| H336                                | May cause drowsiness or dizziness.   |
| H351                                | Suspected of causing cancer.   |
| H373                                | May cause damage to organs through prolonged or repeated exposure.                         |
| H400                                | Very toxic to aquatic life.  |
| H410                                | Very toxic to aquatic life with long lasting effects.                                      |
| H411                                | Toxic to aquatic life with long lasting effects.   |
| H412                                | Harmful to aquatic life with long lasting effects.   |

# All-Weather® Plastic Tag Marker Black

## 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)

### Abbreviations and acronyms:

|  |   |
|--|---|
|  | ACGIH (American Conference of Government Industrial Hygienists)                             |
|  | ATE: Acute Toxicity Estimate  |
|  | CAS (Chemical Abstracts Service) number   |
|  | CLP: Classification, Labelling, Packaging.  |
|  | DNEL: Derived No Effect Level   |
|  | 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  |
|  | NOEC: No Observable Effect Concentration  |
|  | OSHA: Occupational Safety & Health Administration   |
|  | PBT: Persistent, Bioaccumulative, Toxic   |
|  | PNEC: Predicted No Effect Level   |
|  | STEL: Short Term Exposure Limits  |
|  | TSCA: Toxic Substances Control Act  |
|  | TWA: Time Weighted Average  |

NFPA health hazard

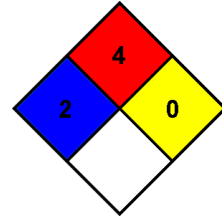
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

: 4 - Materials that rapidly or completely vaporize at atmospheric pressure and normal ambient temperature or that are readily dispersed in air and burn readily.

NFPA reactivity

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



**SDS Prepared by:** The Redstone Group, LLC  
6077 Frantz Rd.  
Suite 206  
Dublin, OH USA 43016  
T 614-923-7472  
[www.redstonegrp.com](http://www.redstonegrp.com)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*