

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name:** KC091 ADDITION PEN

**Product No.:** 000001016766

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Correction pen

**Uses advised against:** Reserved for industrial and professional use.

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

#### Manufacturer

Agfa Graphics NV  
Septestraat 27  
2640 Mortsel  
Belgium

**Telephone:** +32 3 4442111

**Fax:** +32 3 4447094

**E-mail:** electronic.sds@agfa.com

#### National Supplier

Agfa-Gevaert Ltd.  
Vantage West  
Great West Road  
Brentford, Middlesex TW8 9AX  
United Kingdom

**Telephone:** +44 (0)20 8 231 4616

**Fax:** +44 (0)20 8 231 4951

**E-mail:** electronic.sds@agfa.com

### 1.4 Emergency telephone number:

Emergency telephone number (Belgium) : +32 3 4443333 (24h/24h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

#### Physical Hazards

Flammable liquids Category 3 H226: Flammable liquid and vapor.

#### Health Hazards

Skin sensitizer Category 1 H317: May cause an allergic skin reaction.

Specific Target Organ Toxicity -  
Single Exposure Category 3 H336: May cause drowsiness or dizziness.

### 2.2 Label Elements

**Contains:** 1-Methoxy-2-propanol

Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)



**Signal Word:** Warning

**Hazard Statement(s):** H226: Flammable liquid and vapor.  
 H317: May cause an allergic skin reaction.  
 H336: May cause drowsiness or dizziness.

**Precautionary Statements**

**Prevention:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

**Storage:** P403+P235: Store in a well-ventilated place. Keep cool.

**2.3 Other hazards**

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**General information:** No data available.

| Chemical name  | Concentration | CAS-No.    | EC No.    | REACH Registration No. | M-Factor:          | Notes |
|--|---------------|------------|-----------|------------------------|--------------------|-------|
| 1-Methoxy-2-propanol   | 50 - <100%    | 107-98-2   | 203-539-1 | 01-2119457435-35-XXXX  | No data available. | #     |
| Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) | 1 - <2.5%     | 85029-57-8 | 285-082-8 | No data available.     | No data available. | #     |

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

**Classification**

| Chemical name  | Classification                               | Notes              |
|--|--|--------------------|
| 1-Methoxy-2-propanol   | Flam. Liq.: 3: H226 STOT SE: 3: H336         | No data available. |
| Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) | Skin Sens.: 1: H317 Aquatic Chronic: 2: H411 | Note A             |

The full text for all H-statements is displayed in section 16.

CLP: Regulation No. 1272/2008.

#### SECTION 4: First aid measures

**General:** CAUTION! First aid personnel must be aware of own risk during rescue!

##### 4.1 Description of first aid measures

**Inhalation:** Move to fresh air.

**Skin Contact:** Get medical attention if symptoms occur. Take off immediately all contaminated clothing. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

**Eye contact:** Rinse immediately with plenty of water.

**Ingestion:** Rinse mouth thoroughly.

**4.2 Most important symptoms and effects, both acute and delayed:** See section 11 of the SDS for additional information on health hazards.

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

**Hazards:** See section 11 of the SDS for additional information on health hazards.

**Treatment:** Get medical attention if symptoms occur.

#### SECTION 5: Firefighting measures

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

##### 5.1 Extinguishing media

**Suitable extinguishing media:** Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

##### 5.2 Special hazards arising from the substance or mixture:

Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

##### 5.3 Advice for firefighters Special fire fighting procedures:

No data available.

**Special protective equipment for fire-fighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
- 6.2 Environmental Precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.
- 6.3 Methods and material for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. In case of leakage, eliminate all ignition sources. Dike far ahead of larger spill for later recovery and disposal.
- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store locked up. Store in a well-ventilated place. Store in a cool place.
- 7.3 Specific end use(s):** Reserved for industrial and professional use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

| Chemical name  | Type | Exposure Limit Values | Source   |
|--|------|-----------------------|--|
| 1-Methoxy-2-propanol   | STEL | 150 ppm 560 mg/m3     | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)  |
|  | TWA  | 100 ppm 375 mg/m3     | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)  |
|  | TWA  | 100 ppm 375 mg/m3     | EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009) |
|  | STEL | 150 ppm 568 mg/m3     | EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009) |
| Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) - as Cr | TWA  | 0.5 mg/m3             | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)  |
|  | TWA  | 0.5 mg/m3             | UK. EH40 Workplace Exposure Limits (WELs) (12 2011)  |

|  |     |                     |  |
|--|-----|---------------------|--|
| Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) | TWA | 2 mg/m <sup>3</sup> | EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009) |
|--|-----|---------------------|--|

### DNEL-Values

| Critical component   | Type               | Route of Exposure | Health Warnings                             | Remarks                |
|----------------------|--------------------|-------------------|---|------------------------|
| 1-Methoxy-2-propanol | General population | Dermal            | Systemic, long-term; 18.1 mg/kg             | Repeated dose toxicity |
|                      | General population | Inhalation        | Systemic, long-term; 43.9 mg/m <sup>3</sup> | Repeated dose toxicity |
|                      | General population | Oral              | Systemic, long-term; 3.3 mg/kg              | Repeated dose toxicity |
|                      | Workers            | Inhalation        | Systemic, long-term; 369 mg/m <sup>3</sup>  | Repeated dose toxicity |
|                      | Workers            | Inhalation        | Local, short-term; 553.5 mg/m <sup>3</sup>  |                        |
|                      | Workers            | Dermal            | Systemic, long-term; 50.6 mg/kg             | Repeated dose toxicity |

### PNEC-Values

| Critical component   | Environmental compartment    | PNEC-Values |
|----------------------|------------------------------|-------------|
| 1-Methoxy-2-propanol | soil                         | 5.49 mg/kg  |
|                      | Aquatic (freshwater)         | 10 mg/l     |
|                      | freshwater sediment          | 52.3 mg/kg  |
|                      | Sewage treatment plant       | 100 mg/l    |
|                      | Aquatic (intermit. releases) | 100 mg/l    |
|                      | Aquatic (marine water)       | 1 mg/l      |
|                      | Marine sediments             | 5.2 mg/kg   |

## 8.2 Exposure controls

**Appropriate Engineering Controls:** Provide adequate ventilation.

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

**General information:** Use explosion-proof ventilation equipment. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Follow training instructions when handling this material.

**Eye/face protection:** Safety goggles. EN 166.

#### Skin protection

##### Hand Protection:

Protective gloves should be used if there is a risk of direct contact or splash. (EN374) Chemical resistant gloves required for prolonged or repeated contact. Butyl rubber. Glove thickness: > 0.70 mm Break-through time: > 480 min Risk of splashes: Nitrile rubber. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**Other:** Safety clothes : long sleeved clothing EN13688

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator (EN14387). Seek advice from local supervisor.

**Hygiene measures:** Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. When using do not smoke. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin.

**Environmental Controls:** Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|   |                              |
|---|------------------------------|
| <b>Physical state:</b>                          | liquid                       |
| <b>Form:</b>                                    | liquid                       |
| <b>Color:</b>                                   | Red                          |
| <b>Odor:</b>                                    | Pungent smell                |
| <b>Odor Threshold:</b>                          | No data available.           |
| <b>pH:</b>                                      | not applicable               |
| <b>Freezing point:</b>                          | < 0 °C (Literature.)         |
| <b>Boiling Point:</b>                           | > 100 °C (Literature.)       |
| <b>Flash Point:</b>                             | 33 °C (Literature.)          |
| <b>Evaporation Rate:</b>                        | No data available.           |
| <b>Flammability (solid, gas):</b>               | Flammable.                   |
| <b>Flammability Limit - Upper (%):</b>          | No data available.           |
| <b>Flammability Limit - Lower (%):</b>          | No data available.           |
| <b>Vapor pressure:</b>                          | No data available.           |
| <b>Vapor density (air=1):</b>                   | No data available.           |
| <b>Density:</b>                                 | No data available.           |
| <b>Relative density:</b>                        | 0.9700 (20 °C) (Literature.) |
| <b>Solubility(ies)</b>                          |                              |
| <b>Solubility in Water:</b>                     | No data available.           |
| <b>Solubility (other):</b>                      | No data available.           |
| <b>Partition coefficient (n-octanol/water):</b> | No data available.           |
| <b>Autoignition Temperature:</b>                | No data available.           |
| <b>Decomposition Temperature:</b>               | No data available.           |
| <b>SADT:</b>                                    | No data available.           |
| <b>Viscosity:</b>                               | No data available.           |
| <b>Explosive properties:</b>                    | No data available.           |
| <b>Oxidizing properties:</b>                    | No data available.           |

### 9.2 Other information

|                     |  |
|---------------------|--|
| <b>VOC Content:</b> | EC Directive 2004/42: 802.19 g/l ~82.7 % (calculated)<br>EC Directive 1999/13: 0 g/l ~0 % (calculated) |
|---------------------|--|

## SECTION 10: Stability and reactivity

|   |   |
|---|---|
| <b>10.1 Reactivity:</b>                         | Material is stable under normal conditions. |
| <b>10.2 Chemical Stability:</b>                 | Material is stable under normal conditions. |
| <b>10.3 Possibility of hazardous reactions:</b> | Not known.                                  |

- 10.4 Conditions to avoid:** Heat, sparks, flames.
- 10.5 Incompatible Materials:** None known.
- 10.6 Hazardous Decomposition Products:** By heating and fire, harmful vapors/gases may be formed.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

- Inhalation:** Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
- Skin Contact:** May cause an allergic skin reaction.
- Eye contact:** Eye contact is possible and should be avoided.
- Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

- Product:** Not classified for acute toxicity based on available data.
- Specified substance(s)**  
 1-Methoxy-2-propanol LD 50 (Rat): 4,277 mg/kg Experimental result, Key study
- Amines, C10-14-  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)
- LD50 (rat): > 10,000 mg/kg

##### Dermal

- Product:** Not classified for acute toxicity based on available data.
- Specified substance(s)**  
 1-Methoxy-2-propanol LD 50 (Rabbit) : 13,000 mg/kg
- Amines, C10-14-  
 branched and linear  
 alkyl, bis[2,4-dihydro-4-  
 [(2-hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)
- No data available.

##### Inhalation

- Product:** Not classified for acute toxicity based on available data.
- Specified substance(s)**  
 1-Methoxy-2-propanol LC 50 (Rat, 4 h): 54.6 mg/l
- Amines, C10-14-  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-
- No data available.

hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)

**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol NOAEL (Rat(Female, Male), Inhalation, 2 Weeks): 1,000 ppm(m)  
 NOAEL (Rabbit(Female, Male), Dermal, 21 d): > 1,000 mg/kg  
 NOAEL (Rat(Male), Oral, 35 d): 919 mg/kg  
 LOAEL (Rat(Male), Oral, 35 d): 2,757 mg/kg  
 No data available.

Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)

**Skin Corrosion/Irritation:**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol No data available.  
 Amines, C10-14-

branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)

**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol No data available.  
 Amines, C10-14-

branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)

**Respiratory or Skin Sensitization:**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol No data available.



Amines, C10-14-  
 branched and linear  
 alkyl, bis[2,4-dihydro-4-  
 [(2-hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)

No data available.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol  
 Amines, C10-14-  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)

No data available.  
 No data available.

**In vivo**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol  
 Amines, C10-14-  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)

No data available.  
 No data available.

**Carcinogenicity**

**Product:** May cause cancer.

**Specified substance(s)**

1-Methoxy-2-propanol  
 Amines, C10-14-  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)

No data available.  
 No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol  
 No data available.

Amines, C10-14-  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)

No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol No data available.  
 Amines, C10-14- No data available.  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol No data available.  
 Amines, C10-14- No data available.  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol No data available.  
 Amines, C10-14- No data available.  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)

**SECTION 12: Ecological information**

**General information:** Contains a substance which causes risk of hazardous effects to the environment.

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol  
 Amines, C10-14-  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)  
 LC 50 (Pimephales promelas, 96 h): 20,800 mg/l (Static) experimental result  
 No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol  
 Amines, C10-14-  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)  
 EC 50 (48 h): > 500 mg/l (Static) experimental result  
 No data available.

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol  
 Amines, C10-14-  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)  
 No data available.  
 No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

1-Methoxy-2-propanol  
 Amines, C10-14-  
 branched and linear alkyl,  
 bis[2,4-dihydro-4-[(2-  
 hydroxy-4-  
 nitrophenyl)azo]-5-  
 methyl-2-phenyl-3H-  
 pyrazol-3-onato(2-  
 )]chromate(1-)  
 No data available.  
 EC 50 (Daphnia magna, 48 h): 0.2 mg/l

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

|   |                    |
|---|--------------------|
| 1-Methoxy-2-propanol  | No data available. |
| Amines, C10-14-<br>branched and linear alkyl,<br>bis[2,4-dihydro-4-[(2-<br>hydroxy-4-<br>nitrophenyl)azo]-5-<br>methyl-2-phenyl-3H-<br>pyrazol-3-onato(2-<br>)]chromate(1-) | No data available. |

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

|   |                    |
|---|--------------------|
| 1-Methoxy-2-propanol  | No data available. |
| Amines, C10-14-<br>branched and linear alkyl,<br>bis[2,4-dihydro-4-[(2-<br>hydroxy-4-<br>nitrophenyl)azo]-5-<br>methyl-2-phenyl-3H-<br>pyrazol-3-onato(2-<br>)]chromate(1-) | No data available. |

**BOD/COD Ratio**

**Product** No data available.

**Specified substance(s)**

|   |                    |
|---|--------------------|
| 1-Methoxy-2-propanol  | No data available. |
| Amines, C10-14-<br>branched and linear alkyl,<br>bis[2,4-dihydro-4-[(2-<br>hydroxy-4-<br>nitrophenyl)azo]-5-<br>methyl-2-phenyl-3H-<br>pyrazol-3-onato(2-<br>)]chromate(1-) | No data available. |

**12.3 Bioaccumulative potential**

**Product:** No data available.

**Specified substance(s)**

|   |                    |
|---|--------------------|
| 1-Methoxy-2-propanol  | No data available. |
| Amines, C10-14-<br>branched and linear alkyl,<br>bis[2,4-dihydro-4-[(2-<br>hydroxy-4-<br>nitrophenyl)azo]-5-<br>methyl-2-phenyl-3H-<br>pyrazol-3-onato(2-<br>)]chromate(1-) | No data available. |

**12.4 Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

|                      |                    |
|----------------------|--------------------|
| 1-Methoxy-2-propanol | No data available. |
|----------------------|--------------------|

Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)

No data available.

**12.5 Results of PBT and vPvB assessment:**

1-Methoxy-2-propanol  
 Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria  
 No data available.

No data available.

**12.6 Other adverse effects:** Harmful to aquatic life with long lasting effects.

**12.7 Additional Information:** No data available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**General information:** Disposal considerations (including disposal of contaminated containers or packaging) Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

**SECTION 14: Transport information**

**ADR**

- 14.1 UN Number: Not regulated.
- 14.2 UN Proper Shipping Name: Not regulated.
- 14.3 Transport Hazard Class(es) Not regulated.
- 14.4 Packing Group: Not regulated.
- 14.5 Environmental Hazards: Not regulated.
- 14.6 Special precautions for user: Not regulated.

**RID**

- 14.1 UN Number: Not regulated.
- 14.2 UN Proper Shipping Name: Not regulated.
- 14.3 Transport Hazard Class(es) Not regulated.
- 14.4 Packing Group: Not regulated.
- 14.5 Environmental Hazards: Not regulated.
- 14.6 Special precautions for user: Not regulated.

#### IMDG

|                                    |                |
|------------------------------------|----------------|
| 14.1 UN Number:                    | Not regulated. |
| 14.2 UN Proper Shipping Name:      | Not regulated. |
| 14.3 Transport Hazard Class(es)    | Not regulated. |
| 14.4 Packing Group:                | Not regulated. |
| 14.5 Environmental Hazards:        | Not regulated. |
| 14.6 Special precautions for user: | Not regulated. |

#### IATA

|                                    |                |
|------------------------------------|----------------|
| 14.1 UN Number:                    | Not regulated. |
| 14.2 UN Proper Shipping Name:      | Not regulated. |
| 14.3 Transport Hazard Class(es)    | Not regulated. |
| 14.4 Packing Group:                | Not regulated. |
| 14.5 Environmental Hazards:        | Not regulated. |
| 14.6 Special precautions for user: | Not regulated. |

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** not applicable.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

##### EU Regulations

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**Regulation (EC) No. 689/2008 Import and export of dangerous chemicals:** none

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:** none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:**

| Chemical name  | CAS-No.    | Concentration |
|--|------------|---------------|
| Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) | 85029-57-8 | 1.0 - 10%     |

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:**

| Chemical name  | CAS-No.    | Concentration |
|--|------------|---------------|
| Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) | 85029-57-8 | 1.0 - 10%     |

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:** none

**Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:**

| Chemical name  | CAS-No.    | Concentration |
|--|------------|---------------|
| 1-Methoxy-2-propanol   | 107-98-2   | 80 - 90%      |
| Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) | 85029-57-8 | 1.0 - 10%     |

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:**

| Chemical name  | CAS-No.    | Concentration |
|--|------------|---------------|
| Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) | 85029-57-8 | 1.0 - 10%     |

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:**

| Chemical name  | CAS-No.    | Concentration |
|--|------------|---------------|
| 1-Methoxy-2-propanol   | 107-98-2   | 80 - 90%      |
| Amines, C10-14-branched and linear alkyl, bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-) | 85029-57-8 | 1.0 - 10%     |

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

**Revision Information:** Not relevant.

**References**

PBT PBT: persistent, bioaccumulative and toxic substance.  
 vPvB vPvB: very persistent and very bioaccumulative substance.

**Key literature references and sources for data:** Safety Data Sheet from the supplier.  
 ECHA

**Wording of the H-statements in section 2 and 3**

H226 Flammable liquid and vapor.  
 H317 May cause an allergic skin reaction.  
 H336 May cause drowsiness or dizziness.  
 H350 May cause cancer.  
 H411 Toxic to aquatic life with long lasting effects.

**Training information:** No data available.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Flam. Liq. 3, H226  
 Skin Sens. 1, H317  
 STOT SE 3, H336

**Issue Date:** 23.05.2017

**SDS No.:**

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

