



## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 2/12

### 2.3. Other hazards

None known.

### 3. Composition/information on ingredients

| Weight percent | Component                  | CAS-No.<br>EC No.<br>REACH Reg. No.            | Classification according to 1272/2008/EC      | Classification according to 67/548/EEC |
|----------------|----------------------------|--|---|--|
| 10 - 15        | 2,2' -oxybisethanol        | 111-46-6<br>203-872-2<br>not available         | Acute Tox. 4 H302<br>*                        | *                                      |
| 0.1 - 1        | 1-methoxy-2-propanol       | 107-98-2<br>203-539-1<br>01-2119457435-35-XXXX | Flam. Liq. 3 H226<br>STOT SE 3 H336<br>*      | *                                      |
| 0.1 - < 1      | 2,2',2''-nitrioltriethanol | 102-71-6<br>203-049-8<br>not available         | Skin Irrit. 2 H315<br>Eye Irrit. 2 H319<br>** | **                                     |

Full text of R- and H-phrases: see Section 16.

\* Substance classification as listed in Annex VI to Regulation (EC) No 1272/2008

\*\* Substance not listed in Annex VI to Regulation (EC) No 1272/2008

### 4. First aid measures

#### 4.1. Description of first aid measures

**4.1.1. Inhalation:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**4.1.2. Skin:** Wash off immediately with soap and plenty of water. Get medical attention if symptoms occur.

**4.1.3. Eyes:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lens, if worn. Get medical attention if symptoms persist.

**4.1.4. Ingestion:** If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur.

**4.2. Most important symptoms and effects, both acute and delayed:** No information available.

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 3/12

---

**4.3. Indication of any immediate medical attention and special treatment needed:** No information available.

### 5. Firefighting measures

**5.1. Extinguishing Media:** Water spray, Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam.

**5.2. Special hazards arising from the substance or mixture**

**5.2.1. Hazardous Combustion Products:** Carbon oxides

**5.2.2. Unusual Fire and Explosion Hazards:** None.

**5.3. Advice for firefighters:** Wear self-contained breathing apparatus and protective suit. Fire or excessive heat may produce hazardous decomposition products.

### 6. Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures:** Refer to protective measures listed in sections 7 and 8.

**6.2. Environmental precautions:** Prevent runoff from entering drains, sewers, or streams.

**6.3. Methods and materials for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

**6.4. Reference to other sections:** See Section 8 for recommendations on the use of personal protective equipment.

### 7. Handling and storage

**7.1. Precautions for safe handling**

**7.1.1. Personal precautions:** No special precautionary measures should be needed under anticipated conditions of use. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

**7.1.2. Prevention of Fire and Explosion:** Keep from contact with oxidizing materials.

**7.1.3. Ventilation:** Match ventilation rates to conditions of use so as not to exceed any applicable exposure limits (see Section 8).

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 4/12

**7.2. Conditions for safe storage, including any incompatibilities:** Keep in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from incompatible substances (see Incompatibility section.)

**7.3. Specific end use(s):** No information available.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure controls

| Chemical name       | Regulatory List | Value Type                | Value                      |
|---------------------|-----------------|---------------------------|----------------------------|
| 2,2' -oxybisethanol | EH40            | Time weighted average     | 23 ppm 101 mg/m3           |
|                     |                 | Short term exposure limit | 69 ppm 303 mg/m3           |
|                     |                 |                           | <i>Remarks: calculated</i> |
| 2,2' -oxybisethanol | HSA             | Time weighted average     | 23 ppm 101 mg/m3           |
|                     |                 | Short term exposure limit | 69 ppm 303 mg/m3           |
|                     |                 |                           | <i>Remarks: calculated</i> |
| 2,2' -oxybisethanol | HSA             | Time weighted average     | 23 ppm 100 mg/m3           |
|                     |                 | Short term exposure limit | 69 ppm 300 mg/m3           |
|                     |                 |                           | <i>Remarks: calculated</i> |
| 2,2' -oxybisethanol | HSA             | Time weighted average     | 23 ppm 100 mg/m3           |
|                     |                 | Short term exposure limit | 69 ppm 300 mg/m3           |
|                     |                 |                           | <i>Remarks: calculated</i> |

### 8.2. Exposure controls

**8.2.1. Appropriate engineering controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Controls should be sufficient so that applicable occupational exposure limits are not exceeded.

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

**Eye protection:** Wear safety glasses with side shields (or goggles).

**Hand protection:** Using the information provided in Section 2, seek the advice of the glove supplier as to the most suitable glove material. Avoid skin contact when mixing or handling the substance/preparation or a mixture by wearing impervious gloves and protective clothing appropriate to the risk of exposure.

Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact:

| Material       | Thickness  | Breakthrough time |
|----------------|------------|-------------------|
| Nitrile rubber | >= 0.38 mm | > 480 min         |
| Neoprene       | >= 0.65 mm | > 240 min         |
| butyl-rubber   | >= 0.36 mm | > 480 min         |

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 5/12

---

Avoid natural rubber gloves.

The protective gloves to be used must comply with the specifications of the EC directive 89/686/EEC and the resultant standard EN 374. This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us.

**Respiratory protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. If respirators are used, a program should be instituted to assure compliance with applicable federal, state, commonwealth, provincial, or local laws and regulations.

**General health and safety measures:** Safety shower, eye wash, washing facilities as appropriate to condition of use.

**8.2.3. Environmental exposure controls:** No information available.

## 9. Physical and chemical properties

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

#### Appearance

**Physical state:** liquid (Aqueous solution)

**Colour:** black

**Odour:** No data available

**Odour Threshold:** No data available

**pH:** No data available

**Melting point/freezing point:** No data available

**Initial boiling point and boiling range:** No data available

**Flash point:** > 93.33 °C(> 200.0 °F) (estimated)

**Evaporation rate:** No data available

**Flammability (Solid; gas) :** No data available

**Upper explosion limit:** No data available

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 6/12

---

**Lower explosion limit:** No data available

**Vapour pressure:** No data available

**Vapour density:** No data available

**Specific gravity:** No data available

**Water solubility:** soluble

**Partition coefficient: n-octanol/water:** No data available

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity:** No data available

**Explosive properties:** No data available

**Oxidizing properties:** No data available

### 10. Stability and reactivity

**10.1. Reactivity:** No data available

**10.2. Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions:** Hazardous polymerisation does not occur.

**10.4. Conditions to avoid:** No data available

**10.5. Incompatible materials:** Strong oxidizing agents.

**10.6. Hazardous decomposition products:** Carbon oxides

### 11. Toxicological information

#### Effects of Exposure

#### Toxicokinetics, metabolism and distribution

No data available

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 7/12

---

### Acute toxicity

No data available

### Corrositivity and irritation

No data available

### Sensitisation

No data available

### CMR effects

#### Germ cell mutagenicity

No information available.

#### Carcinogenicity

No information available.

#### Reproductive toxicity

No information available.

#### Specific target organ toxicity - single exposure

No information available.

#### Specific target organ toxicity - repeated exposure

No information available.

#### Aspiration hazard

No information available.

#### Information on likely routes of exposure

**Inhalation:** Expected to be a low hazard for recommended handling.

**Eyes:** May cause transient irritation.

**Skin:** Expected to be a low hazard for recommended handling.

**Ingestion:** Expected to be a low hazard for recommended handling.

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 8/12

---

### Data for 2,2' -oxybisethanol (CAS 111-46-6):

#### Acute Toxicity Data:

Oral LD50 (Rat): 12,565 mg/kg

- Oral LD50 Oral (Humans): 1,120 mg/kg
- Inhalation LC50 (Rat): > 5.08 mg/l / 4 hr OECD Test Guideline 403
- Dermal LD50 (Rabbit): 11,890 mg/kg

#### Mutagenicity/Genotoxicity Data:

Ames test: negative (in presence and absence of activation)

### Data for 1-methoxy-2-propanol (CAS 107-98-2):

#### Acute Toxicity Data:

Oral LD50 (Rat): 2,973 - 7,986 mg/kg

- Inhalation LC50 (Rat): > 10000 ppm / 4 hr
- Inhalation LC50 (Rat): >7559 ppm / 6 hr
- Dermal LD50 (Rabbit): 13,000 mg/kg
- Skin irritation: none
- Eye irritation: slight

#### Carcinogenicity:

Inhalation (male and female Rat, 2 years): NOEL; 3,000 ppm

#### Reproductive Toxicity Data:

Inhalation (male and female Rat): NOEL for reproductive toxicity; 1,000 ppm

- Inhalation (male and female Rat): LOEL for reproductive toxicity; 3,000 ppm

#### Developmental Toxicity Data:

Inhalation (female Rat): NOAEL for developmental toxicity; 3,000ppm

### Data for 2,2',2''-nitrilotriethanol (CAS 102-71-6):

#### Acute Toxicity Data:

Oral LD50 (Rat): 9,119 mg/kg

- Dermal LD50 (Rabbit): >20 mL/kg (no deaths occurred)
- Skin irritation: none
- Eye irritation: none
- Sensitisation (Guinea pig): negative

## 12. Ecological information

The following properties are ESTIMATED from the components of the preparations.



## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 9/12

---

This product has not been tested for environmental effects.

### 12.1. Toxicity

Toxicity to fish (LC50): > 100 mg/l estimated

Toxicity to daphnia (EC50): > 100 mg/l estimated

### 12.2. Persistence and degradability

Persistence and degradability: Readily biodegradable

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Dispose according to the local regulations or guidelines that apply to the category of waste. Ensure the use of properly authorised waste management companies.

**Waste material:** European Waste Catalogue EWC: 08 03 13 Waste ink other than those mentioned in 08 03 12

**Product containers:** If thoroughly cleaned, preferably by rinsing at least three times with small quantities of water, waste product packaging may be consigned for recovery or disposal as non hazardous waste. The European Waste Catalogue Code is 15 01 06 mixed packaging.

The product does not need to be labelled in accordance with EC directives or respective national laws. Dispose of contents/container in accordance with local regulation.

## 14. Transport information

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 10/12

---

Not regulated for all modes of transportation.

For more transportation information, go to: [www.kodak.com/go/ship](http://www.kodak.com/go/ship).

### 15. Regulatory information

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

##### 1907/2006/EC Article 59(1) - Candidate List of Substances Subject to Authorisation

This mixture contains no ingredient which is subject to an authorisation according to Regulation (EC) No. 1907/2006 (REACH).

##### 1907/2006/EC - Annex XIV - Substances Subject to Authorization

This mixture does not contain substances which are subject to an authorization according to Regulation (EC) No. 1907/2006 (REACH).

##### 1907/2006/EC - Potential Substances of Very High Concern

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

##### 1907/2006/EC - Annex XVII - Restrictions on Certain Dangerous Substances

This mixture does not contain ingredients which are subject to restrictions according to Regulation (EC) No. 1907/2006 (REACH)

#### Detergents Regulation (648/2004) - Derogations and Banned or Restricted Detergent Surfactants

This mixture does not contain substances listed in Detergents Regulation (648/2004) - Derogations and Banned or Restricted Detergent Surfactants

#### Notification status

| Regulatory List | Notification status |
|-----------------|---------------------|
| TSCA            | Not all listed      |
| DSL             | Not all listed      |
| NDSL            | None listed         |
| EINECS          | Not all listed      |
| ELINCS          | None listed         |
| NLP             | Listed              |
| AICS            | Not all listed      |

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 11/12

---

|            |                |
|------------|----------------|
| IECS       | Not all listed |
| ENCS       | Not all listed |
| ECI        | Not all listed |
| NZIoC      | Not all listed |
| PICCS      | Not all listed |
| TCSI       | Not all listed |
| TSCA 12(b) | Listed         |

"Not all listed" indicates one or more component is either not on the public Inventory or is subject to exemption requirements. If additional information is needed contact Kodak.

### 15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

## 16. Other information

### 16.1. Indication of changes

Corrected/updated:  
label information

Review Safety Data Sheet before using product.

### 16.2. Key or legend to abbreviations and acronyms used in the safety data sheet

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS = Australian Inventory of Chemical Substances; CAS = Chemical Abstracts Service; CLP = Classification, Labelling, and Packaging; DSL = Canada Domestic Substances List; EC = European Commission; EC50 = Effective Concentration 50%; ECI = Korea Existing Chemicals list; EH40 = EH40/2005 Workplace Exposure Limits; EINECS = European Inventory of Existing Commercial chemical Substances; ELINCS = European List of Notified Chemical Substances; ENCS = Japan Existing and New Chemical Substances; GHS = Globally Harmonized System of Classification and Labelling of Chemicals; HSA = Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents); IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IC50 = Inhibitory Concentration 50%; IECS = China Inventory of Existing Chemical Substances; IMDG = International Maritime Dangerous Goods; LC50 = Lethal Concentration 50%; LD50 = Lethal Dose 50%; mg/Kg = milligrams per Kilogram; mg/L = milligrams per Liter; mg/m<sup>3</sup> = milligrams per Cubic Meter; NDSL = Canada Non-Domestic Substances List; NLP = Europe No Longer Polymers; NZIoC = New Zealand Inventory of Chemicals; PBT = Persistent, Bioaccumulative and Toxic substances; PICCS = Philippines Inventory of Chemicals and Chemical Substances; ppm = parts per million; REACH= Registration, Evaluation and Authorization of Chemicals; RID = European Agreement concerning the International Carriage of Dangerous Goods by Rail;

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Approval/Revision date: 09.02.2017

Print Date: 15.08.2017

000000034580/Version: 2.2

Page: 12/12

---

TSCA = Toxic Substances Control Act; vPvB = very Persistent, very Bioaccumulative substances

### 16.3. Key literature references and sources for data

Available upon request.

### 16.4. Methods used for classification of mixture according to Regulation (EC) No 1272/2008

The determination of classifications is derived via expert judgment and/or weight of evidence.

### 16.5. Relevant R- and H-phrases

|      |                                    |
|------|------------------------------------|
| H226 | Flammable liquid and vapour.       |
| H302 | Harmful if swallowed.              |
| H315 | Causes skin irritation.            |
| H319 | Causes serious eye irritation.     |
| H336 | May cause drowsiness or dizziness. |

### 16.6. Training advice

Review Safety Data Sheet before using product.

### 16.7. Further information

---

Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment. The information relating to the working solution is for guidance purposes only, and is based on correct mixing and use of the product according to instructions.

---