1. Identification of the substance/mixture and of the company/undertaking

Product name: Specialty Cleaning Solution, Type CLSOTG1

Product code: 7458080

Synonyms: None.

Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Ink or inkjet chemical

Supplier: EASTMAN KODAK COMPANY, 343 State Street, Rochester, New York 14650

In EMERGENCY, telephone: 1-800-424-9300 or +1 702-527-3887.

For further information about this product, email us-pee@kodak.com.

2. Hazards identification

Classification of the chemical in accordance with paragraph (d) of 29 CFR 1910.1200:

<table>
<thead>
<tr>
<th>Hazard class</th>
<th>Hazard category</th>
<th>Route of exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye irritation</td>
<td>Category 2A</td>
<td>--</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure</td>
<td>Category 2</td>
<td>Cutl</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>Category 3</td>
<td>--</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 3</td>
<td>--</td>
</tr>
</tbody>
</table>

GHS-Labeling

Contains:
2-Pyrrolidinone (816-45-5), Ethylene glycol (107-21-1), Ethoxylated tetramethylene decymediol (8014-85-1), 1,2-Benzisothiazol-3(2H)-one (2634-33-5)

Symbol(s):

Signal word: Warning

Hazard statements: Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure if swallowed. (Kidney) Harmful to aquatic life with long lasting effects.

Precautionary statements:


Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. Get medical advice/ attention if you feel unwell.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulation.

HMIS IV Hazard Ratings: Health - 2*, Flammability - 1, Physical Hazard - 0

NFPA Hazard Ratings: Health - 2, Flammability - 1, Instability - 0

NOTE: HMIS IV and NFPA 704 (2007) hazard indexes involve data review and interpretation that may vary among companies. They are intended only for rapid, general identification of the magnitude of the potential hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Weight percent</th>
<th>Components - (CAS-No.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 - 30</td>
<td>2-Pyrrolidinone (816-45-5)</td>
</tr>
<tr>
<td>5 - 13</td>
<td>Ethylene glycol (107-21-1)</td>
</tr>
<tr>
<td>1 - &lt; 3</td>
<td>Ethoxylated tetramethylene decymediol (8014-85-1)</td>
</tr>
<tr>
<td>0.1 - 1</td>
<td>Thiourea (102-71-8)</td>
</tr>
<tr>
<td>0.01 - &lt; 0.05</td>
<td>1,2-Benzisothiazol-3(2H)-one (2634-33-5)</td>
</tr>
</tbody>
</table>

4. First aid measures

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

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If easy to do, remove contact lens, if worn. If eye irritation persists: Get medical advice/ attention.
Safety Data Sheet

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

Ingestion: If swallowed, only induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, both acute and delayed: Eye irritation: Signs/symptoms may include localized redness, swelling, lacrimation, itching, dryness, and pain.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

Indication of any immediate medical attention and special treatment needed:

Treatment: No information available.

5. Firefighting measures

Extinguishing Media: Water spray. Carbon dioxide (CO2), Dry chemical, Foam.

Special hazards arising from the substance or mixture

Hazardous Combustion Products: Carbon oxides, Nitrogen oxides (NOx)

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective suit. Fire or excessive heat may produce hazardous decomposition products.

Unusual Fire and Explosion Hazards: None.

6. Accidental release measures

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

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.

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

For Large Spills: Prevent runoff from entering drains, sewers, or streams.

7. Handling and storage

Precautions for safe handling

Personal precautions: Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapour. Use only with adequate ventilation. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

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

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

Conditions for safe storage, including any incompatibilities: Keep in a dry, cool and well-ventilated place. Cool conditions (5 - 30°C). Keep container tightly closed. Keep away from food, drink and animal feeding stuffs. Keep away from incompatible substances (see Incompatibility section.)

8. Exposure controls/personal protection

Occupational exposure controls

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Regulatory List</th>
<th>Value Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol</td>
<td>ACGIH</td>
<td>Time weighted average</td>
<td>25 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Form of exposure: vapor fraction</td>
<td></td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td></td>
<td>Short term exposure limit</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Form of exposure: inhalable particulate matter, sodium only</td>
<td></td>
</tr>
<tr>
<td>Ethylene glycol</td>
<td></td>
<td>Short term exposure limit</td>
<td>50 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Form of exposure: vapor fraction</td>
<td></td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>ACGIH</td>
<td>Ceiling Limit Value</td>
<td>5 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Form of exposure: vapor</td>
<td></td>
</tr>
</tbody>
</table>

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.

Individual protection measures, such as personal protective equipment

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

Hand protection: Wear protective gloves/protective clothing.

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.
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9. Physical and chemical properties

Physical form: liquid
Colour: clear
Odour: No data available - testing not performed
Specific gravity: No data available - testing not performed
Vapour pressure: No data available - testing not performed
Vapour density: No data available - testing not performed
Water solubility: No data available - testing not performed
pH: No data available - testing not performed
Flash point: No data available - testing not performed
Evaporation rate: No data available - testing not performed
Flammability (Solid; gas): No data available - testing not performed
Upper explosion limit: No data available - testing not performed
Lower explosion limit: No data available - testing not performed
Partition coefficient: n-octanol/water: No data available - testing not performed
Auto-ignition temperature: No data available - testing not performed
Decomposition temperature: No data available - testing not performed
Viscosity: No data available - testing not performed
Explosive properties: No data available - testing not performed
Oxidizing properties: No data available - testing not performed

10. Stability and reactivity

Reactivity: No data available

Safety Data Sheet

Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerisation does not occur.
Conditions to avoid: No data available
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: None under normal conditions of use.

11. Toxicological information

Effects of Exposure

General advice:
Contains: Ethylene glycol. Severe effects after repeated or prolonged exposure can cause kidney damage.
Inhalation: Expected to be a low hazard for recommended handling.
Eyes: Causes serious eye irritation.
Skin: Expected to be a low hazard for recommended handling.
Ingestion: May cause damage to organs through prolonged or repeated exposure if swallowed.

Data for 2-Pyrrolidinone (CAS 616-45-8):

Acute Toxicity Data:
Oral LD50 (Rat): > 3,200 mg/kg
• Oral LD50 (Mouse): > 3,200 mg/kg
• Inhalation LC50 (Rat): 0.081 mg/l / 8 hr
• Inhalation LC50 (Rat): > 80 ppm / 8 hr (no deaths occurred)
• Dermal LD50 (Guinea pig): 1 - 5 mL/kg
• Dermal LD50 (Rabbit): > 2,000 mg/kg (no deaths occurred)
• Skin irritation: none
• Sensitisation (Guinea pig): negative
• Eye irritation: moderate

Definitions for the following section(s): LOEL = lowest-observed-effect level, LOAEL = lowest-observed-adverse-effect, NOAEL = no observed-adverse-effect level, NOEL = no-observed-effect level.

Repeated dose toxicity:
Safety Data Sheet

Data for Ethylene glycol (CAS 107-21-1):

Acute Toxicity Data:
- Oral LDLo (Humans): 1,600 mg/kg
- Oral LD50 (Rat): 4,700 mg/kg
- Inhalation (Rat): 2.2 mg/l / 8 hr
- Dermal LD50 (Rabbit): 10,607 mg/kg
- Dermal LD50 (Rat): 10,800 mg/kg
- Skin irritation: Mild skin irritation
- Sensitisation (human): none
- Sensitisation (Guinea pig): none
- Eye irritation: none

Data for Ethoxylated tetramethyldecynediol (CAS 9014-85-1):

Acute Toxicity Data:
- Oral LD50 (Rat): 6,300 mg/kg
- Inhalation LC50 (Rat): > 20 mg/l / 1 hr
- Dermal LD50 (Rabbit): > 2,000 mg/kg (Highest dose tested - no evidence of absorption at this dose level.)
- Skin irritation: Mild skin irritation
- Eye irritation: severe

Repeated dose toxicity:
- Feeding study (28-day, Rat): NOEL: 6000 ppm
- Oral (60 days, Dog): NOEL: 200 mg/kg/day
- Oral (60 days, Dog): NOEL: 400 mg/kg/day (minor target organ effects: liver)

Reproductive Toxicity Data:
- Feeding Study (male and female Rat): NOEL for reproductive toxicity: 1,000 mg/kg/day

Data for Triethanolamine (CAS 102-71-6):

Acute Toxicity Data:
- Oral LD50 (Rat): 9,119 mg/kg
- Dermal LD50 (Rabbit): > 20,000 mg/kg
- Skin irritation: none

Carcinogenicity
- American Conference of Governmental Industrial Hygienists (ACGIH):
  - No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- International Agency for Research on Cancer (IARC):
  - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- U.S. National Toxicology Program (NTP):
  - No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- U.S. Occupational Safety and Health Administration (OSHA):
  - No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

California Prop. 65
- WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

12. Ecological information

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

Potential Toxicity:
- Toxicity to fish (LC50): 10 - 100 mg/l estimated
- Toxicity to daphnia (EC50): 10 - 100 mg/l estimated

Persistence and degradability: Not readily biodegradable.
13. Disposal considerations

Discharge, treatment, or disposal may be subject to federal, state, commonwealth, provincial, or local laws. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

Not regulated for all modes of transportation.

For more transportation information, go to: www.kodak.com/go/ship.

15. Regulatory information

<table>
<thead>
<tr>
<th>Regulatory List</th>
<th>Notification status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>All listed</td>
</tr>
<tr>
<td>DSL</td>
<td>All listed</td>
</tr>
<tr>
<td>NDSL</td>
<td>None listed</td>
</tr>
<tr>
<td>EINECS</td>
<td>Not all listed</td>
</tr>
<tr>
<td>ELINCS</td>
<td>None listed</td>
</tr>
<tr>
<td>NLP</td>
<td>Listed</td>
</tr>
<tr>
<td>AICS</td>
<td>All listed</td>
</tr>
<tr>
<td>IECGS</td>
<td>All listed</td>
</tr>
<tr>
<td>ENCS</td>
<td>All listed</td>
</tr>
<tr>
<td>ECI</td>
<td>All listed</td>
</tr>
<tr>
<td>NZIoC</td>
<td>All listed</td>
</tr>
</tbody>
</table>

16. Other information

U.S. - CERCLA/SARA (40 CFR § 302.4 Designation of hazardous substances):
- Ethylene glycol

U.S. - CERCLA/SARA - Section 302 (40 CFR § 355 Appendix A and B - The List of Extremely Hazardous Substances and Their Threshold Planning Quantities):
- Ethylene glycol

U.S. - CERCLA/SARA - Section 313 (40 CFR § 372.65 Toxic Chemical Release Reporting):
- Ethylene glycol

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances:
- No components found on the California Specifically Regulated Carcinogens List.

U.S. - California - 8 CCR Section 5200-5220 - Specifically Regulated Carcinogens:
- No components found on the California Section 5203 Carcinogens List.

U.S. - California - 8 CCR Section 5209 Carcinogens:
- No components found on the California Section 5209 Carcinogens List.

U.S. - Massachusetts - General Law Chapter 111F (MGL c 111F) - Hazardous Substances Disclosure by Employers (a.k.a. Right to Know Law):
- Ethylene glycol, 2-Pyridylidine, Triethanolamine

U.S. - Minnesota - Employee Right-to-Know (5206.0400, Subpart 5. List of Hazardous Substances):
- Ethylene glycol, Triethanolamine

U.S. - New Jersey - Worker and Community Right-to-Know Act (N.J.S.A. 34:5A-1):
- Ethylene glycol, Triethanolamine

U.S. - Pennsylvania - Part XIII. Worker and Community Right-to-Know Act (Chapter 323 Hazardous Substance List, Appendix A):
- Water, Ethylene glycol, 2-Pyridylidine, Triethanolamine, Sodium hydroxide
The data below reflects current legislative requirements whereas the product in your possession may carry a different version of the label depending on the date of manufacture.

US/Canadian Label Statements:

Specialty Cleaning Solution, Type CLSDTG1

Contains:
2-Pyrrolidone (616-45-5), Ethylene glycol (107-21-1), Ethoxylated tetramethyldecyenediol (9014-85-1), 1,2-Benzisothiazol-3(2H)-one (2534-33-5)

Symbol(s):

Signal word: Warning

Hazard statements: Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure if swallowed. (Kidney) Harmful to aquatic life with long lasting effects.

Precautionary statements:


Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. Get medical advice/ attention if you feel unwell.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulation.

This Safety Data Sheet has been compiled and is solely intended for this product. The information is based upon the present state of our knowledge.

R-1, S-2, F-1, C-0