1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

IDENTIFICATION OF THE PRODUCT
CHEMICAL TYPE MIXTURE
• Product name: deColourant and deColourant Mist
• Product number(s): CHM0330, CHM1330, CHM23330, CHM33330
• Relevant identified use of the substance/mixture:
Used to remove dyes/colors from fabric.

• Manufacturer: Rupert, Gibbon & Spider, Inc.
• Manufacturer Address: 1147 Healdsburg Avenue
Healdsburg CA 95448
• Number: 800-442-0455
• Emergency Number: CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300
International CHEMTREC, call: 1-703-527-3887
For non-emergency assistance, call: 800-442-0455

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification
Mutagen, (category 3) H341

GHS Label elements, including precautionary statements
Label Requirements

Signal word Warning

Hazard Statement(s)
H341 Suspected of causing genetic defects

Precautionary statement(s)
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P281 Use personal protective equipment as required.
P308 + P313 IF exposed or concerned: Get medical attention.
P405 Store locked up.
P501 Dispose of contents/container according to local regulations. (see section 13)

Hazards Not Otherwise Classified (HNOC) This product is classified as hazardous, OSGA Hazard Communication Standard 29CFR1910.1200
3. INFORMATION ON THE INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Conc. (wt %)</th>
<th>EC No.</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Formaldehyde Sulfoxylate</td>
<td>≤ 35</td>
<td>205-739-4</td>
<td>149-44-0</td>
</tr>
<tr>
<td>Water</td>
<td>≤ 65</td>
<td>231-791-2</td>
<td>7732-18-5</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

- **General Advice**
  Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of the dangerous area.

- **Ingestion**
  Rinse out mouth with water. Seek immediate medical attention.

- **Skin**
  Wash thoroughly with soap and water.

- **Eyes**
  Flush with water for at least 15 minutes. Seek medical advice.

- **Inhalation**
  Remove to fresh air. Aid victim with breathing if necessary. Seek medical attention.

5. FIRE-FIGHTING MEASURES

- **Extinguishing media**
  Small fires: Dry chemical, CO2, Water spray or regular foam

- **Special Protective equipment for fire-fighters**
  Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.

NFPA 704
6. ACCIDENTAL RELEASE OF MATERIALS

- **Personal precautions**
  Use protective equipment and emergency procedures. Avoid breathing vapors. Ensure adequate ventilation

- **Environmental Precautions**
  Prevent leakage of product into water-courses or drainage system by diking with sand or other absorbent materials. Contact authorities, and waste-water treatment plant as appropriate if significant contamination occurs.

- **Methods and material for containment and cleaning up**
  Stop the source of leak or release. Clean up spill as soon as possible. Small spills can be swept-up or vacuumed. Place spilled material in suitable container for disposal in accordance with local and national regulations. Wash contaminated surfaces with water, and collect washings for safe disposal. Follow prescribed procedures for responding to large spills and reporting to appropriate authorities.
7. HANDLING AND STORAGE

- **Precautions for safe handling**
  Avoid contact with eyes, skin and clothing; wash thoroughly after handling. Use with adequate ventilation. Do not inhale spray or mists. Do not expose to excessive heat; avoid processing temperatures in excess of 45°C (113°F). Formaldehyde may be released when processing at high temperature or mixed with acids.

- **Conditions for safe storage, including incompatibilities**
  Keep only in the original container. Store in a cool and dry location. Keep away from direct sunlight. Keep container closed when not in use. Protect from freezing. Protect from temperatures above 30°C or below 15°C.

- **Specific end uses**
  Industrial use

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Contains no substance with occupational exposure limit values

Note: Dusts from dried material may register as formaldehyde on some formaldehyde detector badges.

**Personal protective equipment**

**Respiratory protection**
For nuisance exposures use type P95 (US) or type (EU EN 143) particle respiratory. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand Protection**
Handle with gloves. Gloves must be inspected prior to use. Use proper gloves, nitrile rubber, butyl rubber.

**Eye Protection**
Safety goggles

**Skin and Body Protection**
Impervious clothing.

**Hygiene measures**
Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling material.
9. PHYSICAL AND CHEMICAL PROPERTIES

- **Information on basic physical and chemical properties**
  - **Appearance/Form**: Liquid
  - **Odor**: Slight
  - **pH**: 10.8 – 11.2
  - **Solubility in water**: Miscible
  - **Viscosity**: No data available
  - **Melting Point**: ~ 0 °C
  - **Flash point (°C)**: < 0 °C
  - **Initial Boiling Point and boiling range**: ~ 100°C
  - **Specific Gravity/Density**: 1.18 – 1.22
  - **Flammability (solids and gases)**: No data available
  - **Upper/lower flammability or explosive limits**: No data available
  - **Vapor pressure**: No data available
  - **Odor threshold**: No data available
  - **Vapor density**: No data available
  - **Evaporation rate**: No data available
  - **Partition coefficient: n-octanol/water**: No data available
  - **Auto-ignition temperature**: No data available
  - **Decomposition temperature**: No data available

10. STABILITY AND REACTIVITY

- **Chemical stability**: Stable
- **Conditions to avoid**: Protect from freezing
- **Incompatible materials**: Oxidizing agents, reducing agents, acids, bases
- **Hazardous decomposition products**: Oxides of carbon, nitrogen
- **Hazardous Polymerization**: Will not occur under normal conditions

11. TOXICOLOGICAL INFORMATION.

- **Acute toxicity**: LD50 > 5000 mg/kg rat
- **Skin corrosion/irritation**: Non-irritating rabbit
- **Serious Eye damage/eye irritation**: Non-irritating rabbit
- **Respiratory or skin sensitization**: Non-sensitizing
Germ cell mutagenicity

This product is classified as a category 3 mutagen. (Category 3 is assigned to substances where there is some evidence from animal studies but insufficient evidence to regard the substance as possibly mutagenic to humans.)

Carcinogenicity

No component listed as a carcinogen on OSHA, IARC, NTP, ACGIH

Reproductive toxicity

No data available

Specific target organ toxicity-single exposure

No data available

Aspiration hazard

No data available

Specific target organ toxicity-repeated exposure

No data available

Potential health effects

Inhalation

May cause irritation

Ingestion

May cause gastrointestinal irritation or upset

Skin

May cause irritation

Eyes

May cause irritation

Chronic effects

Suspected of causing genetic defects

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
12. ECOLOGICAL INFORMATION

- Toxicity to fish LC50 > 500 mg/l 96h Leuciscus idus
- Persistence/degradability Inherently biodegradable 28d 77%
- Bio accumulative potential Not expected, Log Pow -6.17
- Mobility in soil No data available
- Results of PBT and vPvB assessment No data available
- Other adverse effects No data available
- BOD5 14 mg O2/g
- COD 490 mg O2/g
- AOX Not expected

13. DISPOSAL CONSIDERATIONS

- Product
  This product should not be disposed of via drains. Disposal must be in accordance with current national and local regulations. We recommend that you contact either the authorities or approved waste disposal companies who will advise you in how to dispose of waste.
  RTECS No. PB03800000

14. TRANSPORTATION INFORMATION

This product is not classified as hazardous (dangerous) by applicable Land, Sea, or Air transport regulations.

- DOT (US) Not Dangerous Goods
- IMDG Not Dangerous Goods
- IATA Not Dangerous Goods
15. REGULATORY INFORMATION

TSCA Inventory  All components listed or exempt
OSHA Hazards  Chronic Health Hazards
DSL Status  All components of this product are listed on the Canadian DSL list.
Sara 302 Components  No chemicals are subject to reporting requirements of Title III Sec. 302
Sara 313 Components  No chemicals are subject to reporting requirements of Title III Sec. 313
Sara 311/312 Hazards  Chronic Health Hazards
California Prop 65  No chemicals known to be in the product at levels requiring a warning.
FDA  Not approved as a direct food additive
EINECS  Mixture
REACH Annex XIV  No components listed, (SVHC)
REACH Annex XVII  No component listed

National chemical inventories:
TSCA (USA), DSL (Canada), EINECS (Europe), ENCS (Japan), ECL (Korea), AICS (Australia), NZIoC (New Zealand), PICCS (Philippines), IECSC (China)

16. OTHER INFORMATION

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.