

**Safety Data Sheet**  
according to 29CFR1910/1200 and GHS Rev. 3

**Effective date :** 08.06.2015

**Povidone Iodine 10%**

**SECTION 1: Identification of the substance/mixture and of the supplier**

**Product name:** Povidone Iodine 10%

**Manufacturer/Supplier Trade name:**

**Manufacturer/Supplier Article number:** 1409243

**Recommended uses of the product and restrictions on use:**

**Manufacturer Details:**

AquaPhoenix Scientific, Inc  
9 Barnhart Drive, Hanover, PA 17331  
(717) 632-1291

**Supplier Details:**

Frey Scientific  
80 Northwest Blvd. Nashua, NH 03063  
(800) 225-3739

**Emergency telephone number:**

Emergency Phone No. (800) 255-3964

**SECTION 2: Hazards identification**

**Classification of the substance or mixture:**

**Signal word:** None

**Hazard statements:** None

**Precautionary statements:**

If medical advice is needed have product container or label at hand.

**Other Non-GHS Classification:** None

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

**Ingredients:**

| <b>Ingredients:</b>       |                 |       |
|---------------------------|-----------------|-------|
| CAS 25655-41-8            | Povidone Iodine | 10 %  |
| CAS 7732-18-5             | water, purified | >90 % |
| Percentages are by weight |                 |       |

**SECTION 4: First aid measures**

**Description of first aid measures**

**After inhalation:**

Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists.

**After skin contact:**

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Wash affected area with soap and water. Rinse thoroughly. Seek medical attention if irritation, discomfort or vomiting persists.

**After eye contact:**

Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

**After swallowing:**

Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

**Most important symptoms and effects, both acute and delayed:** None

**Indication of any immediate medical attention and special treatment needed:**

If seeking medical attention, provide SDS document to physician.

**SECTION 5: Firefighting measures**

**Extinguishing media**

**Suitable extinguishing agents:**

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

**Unsuitable extinguishing agents:** None

**Special hazards arising from the substance or mixture:**

Combustion products may include carbon oxides or other toxic vapors.

**Advice for firefighters:**

**Protective equipment:**

Wear self-contained respiratory protective device. Wear fully protective suit.

**Additional information (precautions):**

Move product containers away from fire or keep cool with water spray as a protective measure, where feasible.

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Ensure adequate ventilation. Avoid contact with eyes, skin, and clothing.

**Environmental precautions:**

Prevent from reaching drains, sewer or waterway.

**Methods and material for containment and cleaning up:**

Collect liquids using vacuum or by use of absorbents. Place into properly labeled containers for recovery or disposal. Solution may be neutralized with sodium thiosulfate until colorless, and then flushed to sewer.

**Reference to other sections:** None

**SECTION 7: Handling and storage**

**Precautions for safe handling:**

Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with eyes, skin, and clothing. Wash hands before break and at end of work.

**Conditions for safe storage, including any incompatibilities:**

Store in a cool location. Protect from freezing and physical damage.

**SECTION 8: Exposure controls/personal protection**

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|  |   |
|--|---|
| <b>Control parameters:</b>               | No applicable occupational exposure limits.   |
| <b>Appropriate engineering controls:</b> | Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.  |
| <b>Respiratory protection:</b>           | Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.   |
| <b>Protection of skin:</b>               | Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.  |
| <b>Eye protection:</b>                   | Safety glasses with side shields or goggles.  |
| <b>General hygienic measures:</b>        | The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/dust/mist/vapor/aerosols. Avoid contact with the eyes and skin. |

**SECTION 9: Physical and chemical properties**

|  |                   |   |  |
|--|-------------------|---|--|
| <b>Appearance (physical state, color):</b> | Dark brown liquid | <b>Explosion limit lower:</b>                   | Not determined   |
|  |                   | <b>Explosion limit upper:</b>                   | Not determined   |
| <b>Odor:</b>                               | Weak iodine       | <b>Vapor pressure at 20°C:</b>                  | Not determined   |
| <b>Odor threshold:</b>                     | Not determined    | <b>Vapor density:</b>                           | Not determined   |
| <b>pH-value:</b>                           | Not determined    | <b>Relative density:</b>                        | 1-1.05   |
| <b>Melting/Freezing point:</b>             | below 0C          | <b>Solubilities:</b>                            | Infinite in water.   |
| <b>Boiling point/Boiling range:</b>        | Approx 100C       | <b>Partition coefficient (n-octanol/water):</b> | Not determined   |
| <b>Flash point (closed cup):</b>           | Not applicable    | <b>Auto/Self-ignition temperature:</b>          | Not determined   |
| <b>Evaporation rate:</b>                   | Not determined    | <b>Decomposition temperature:</b>               | Not determined   |
| <b>Flammability (solid, gaseous):</b>      | non - flammable   | <b>Viscosity:</b>                               | a. Kinematic: Not determined<br>b. Dynamic: Not determined |
| <b>Density at 20°C:</b>                    | Not determined    |   |  |

**SECTION 10: Stability and reactivity****Reactivity:**

Nonreactive under normal conditions.

**Chemical stability:**

No decomposition if used and stored according to specifications.

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**Possible hazardous reactions:**

None under normal processing.

**Conditions to avoid:**

No further relevant information available.

**Incompatible materials:**

Active metals, powdered aluminum, acetylene, acetylaldehyde, ammonia, strong oxidizing agents.

**Hazardous decomposition products:**

Emits irritating fumes and smoke, iodine vapors, and iodide.

**SECTION 11: Toxicological information**

**Acute Toxicity:** No additional information.

**Chronic Toxicity:** No additional information.

**Skin corrosion/irritation:** No additional information.

**Serious eye damage/irritation:** No additional information.

**Respiratory or skin sensitization:** No additional information.

**Carcinogenicity:** See section 15.

**Germ cell mutagenicity:** No additional information.

**Reproductive Toxicity:** No additional information.

**STOT-single and repeated exposure:** No additional information.

**Additional toxicological information:** No additional information.

**SECTION 12: Ecological information**

**Ecotoxicity:** No additional information.

**Persistence and degradability:** No additional information.

**Bioaccumulative potential:** No additional information.

**Mobility in soil:** No additional information.

**Other adverse effects:** No additional information.

**SECTION 13: Disposal considerations**

**Waste disposal recommendations:**

Consult federal state/ provincial and local regulations regarding the proper disposal of waste material that may incorporate some amount of this product. Dilute with water and neutralize with sodium thiosulfate until colorless. Then dilute the resulting solution with dilute hydrochloric acid or sodium carbonate solution, and decant to drain with large quantities of water.

**SECTION 14: Transport information**

**US DOT**

**UN Number:**

ADR, ADN, DOT, IMDG, IATA

Not regulated

**Limited Quantity Exception:**

None

**Bulk:**

**RQ (if applicable):** None

**Non Bulk:**

**RQ (if applicable):** None

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**Proper shipping Name:** Not regulated.  
**Hazard Class:** None  
**Packing Group:** Not regulated.  
**Marine Pollutant (if applicable):** No additional information.  
**Comments:** None

**Proper shipping Name:** Not regulated.  
**Hazard Class:** None  
**Packing Group:** Not regulated.  
**Marine Pollutant (if applicable):** No additional information.  
**Comments:** None

**SECTION 15: Regulatory information**

**United States (USA)**

**SARA Section 311/312 (Specific toxic chemical listings):**

None of the ingredients are listed.

**SARA Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

**RCRA (hazardous waste code):**

None of the ingredients are listed.

**TSCA (Toxic Substances Control Act):**

All ingredients are listed.

**CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):**

None of the ingredients are listed.

**Proposition 65 (California):**

**Chemicals known to cause cancer:**

None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

**Canada**

**Canadian Domestic Substances List (DSL):**

All ingredients are listed.

**SECTION 16: Other information**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and

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regulations applicable to this material.

**NFPA:** 0-0-0

**HMIS:** 0-0-0

**GHS Full Text Phrases:** None

**Abbreviations and Acronyms:**

IMDG International Maritime Code for Dangerous Goods.  
IATA International Air Transport Association.  
GHS Globally Harmonized System of Classification and Labelling of Chemicals.  
ACGIH American Conference of Governmental Industrial Hygienists.  
CAS Chemical Abstracts Service (division of the American Chemical Society).  
NFPA National Fire Protection Association (USA).  
HMIS Hazardous Materials Identification System (USA).  
WHMIS Workplace Hazardous Materials Information System (Canada).  
DNEL Derived No-Effect Level (REACH).  
PNEC. Predicted No-Effect Concentration (REACH).  
CFR Code of Federal Regulations (USA).  
SARA Superfund Amendments and Reauthorization Act (USA).  
RCRA. Resource Conservation and Recovery Act (USA).  
TSCA. Toxic Substances Control Act (USA).  
NPRI National Pollutant Release Inventory (Canada).  
DOT US Department of Transportation.

## Section 1 Chemical Product and Company Identification

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**Aldon  
Corporation**

221 Rochester Street  
Avon, NY 14414  
(585) 226-6177

**CHEMTREC 24 Hour Emergency  
Phone Number (800) 424-9300**  
For laboratory use only.  
Not for drug, food or household use.

|         |          |
|---------|----------|
| Product | DEXTROSE |
|---------|----------|

|          |           |
|----------|-----------|
| Synonyms | D-Glucose |
|----------|-----------|

## Section 2 Hazards Identification

This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

Signal word: None required

Pictograms: No symbol required

Target organs: None known

GHS Classification: None required

GHS Label information: Hazard statement: None required

Precautionary statement: None required

## Supplemental information:

Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

## Section 3 Composition / Information on Ingredients

| Chemical Name       | CAS #   | %    | EINECS    |
|---------------------|---------|------|-----------|
| Dextrose, anhydrous | 50-99-7 | 100% | 200-075-1 |

## Section 4 First Aid Measures

**INGESTION:** Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN ABSORPTION:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

## Section 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Use any media suitable for extinguishing supporting fire

**Protective Actions for Fire-fighters:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

**Specific Hazards:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

## Section 6 Accidental Release Measures

**Personal Precautions:** Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

**Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.

**Containment and Cleanup:** Recover for use if not contaminated. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Section 7 Handling & Storage**

**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances.

**Section 8 Exposure Controls / Personal Protection**

| Exposure Limits: | Chemical Name | ACGIH (TLV)      | OSHA (PEL)       | NIOSH (REL)      |
|------------------|---------------|------------------|------------------|------------------|
|                  | Dextrose      | None established | None established | None established |

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

**Section 9 Physical & Chemical Properties**

|  |   |   |
|--|---|---|
| <b>Appearance:</b> Solid. White granules.<br><b>Odor:</b> No odor.<br><b>Odor threshold:</b> Data not available.<br><b>pH:</b> Data not available.<br><b>Melting / Freezing point:</b> 148°C (298°F)<br><b>Boiling point:</b> Decomposes<br><b>Flash point:</b> Not applicable | <b>Evaporation rate ( = 1):</b> Not applicable<br><b>Flammability (solid/gas):</b> Data not available.<br><b>Explosion limits: Lower / Upper:</b> Not applicable<br><b>Vapor pressure (mm Hg):</b> Negligible<br><b>Vapor density (Air = 1):</b> 6.3<br><b>Relative density (Specific gravity):</b> 1.5<br><b>Solubility(ies):</b> 90 g/100 ml water @ 20°C | <b>Partition coefficient: (n-octanol / water):</b> Data not available<br><b>Auto-ignition temperature:</b> Data not available<br><b>Decomposition temperature:</b> Data not available<br><b>Viscosity:</b> Data not available<br><b>Molecular formula:</b> C <sub>6</sub> H <sub>12</sub> O <sub>6</sub><br><b>Molecular weight:</b> 180.16 |
|--|---|---|

**Section 10 Stability & Reactivity**

**Chemical stability:** Stable  
**Conditions to avoid:** Excessive temperatures.  
**Incompatible materials:** Strong oxidizers.  
**Hazardous decomposition products:** Oxides of carbon.  
**Hazardous polymerization:** Will not occur.

**Section 11 Toxicological Information**

**Acute toxicity:** Data not available  
**Skin corrosion/irritation:** Data not available  
**Serious eye damage/irritation:** Data not available  
**Respiratory or skin sensitization:** Data not available  
**Germ cell mutagenicity:** Data not available  
**Carcinogenicity:** Data not available  
 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.  
 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.  
 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.  
**Reproductive toxicity:** Data not available  
**STOT-single exposure:** Data not available  
**STOT-repeated exposure:** Data not available  
**Aspiration hazard:** Data not available  
**Potential health effects:**  
 Inhalation: Inhalation may cause respiratory irritation.  
 Ingestion: Not expected to be a health hazard.  
 Skin: Not expected to be a health hazard.  
 Eyes: Contact with eyes may cause transient irritation.  
**Signs and symptoms of exposure:** To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.  
**Additional information:** RTECS #: Data not available

**Section 12 Ecological Information**

**Toxicity to fish:** No data available  
**Toxicity to daphnia and other aquatic invertebrates:** No data available  
**Toxicity to algae:** No data available  
**Persistence and degradability:** No data available  
**Mobility in soil:** No data available  
**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
**Bioaccumulative potential:** No data available  
**PBT and vPvB assessment:** No data available

**Section 13 Disposal Considerations**

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

**Section 14 Transport Information (US DOT / CANADA TDG)**

**UN/NA number:** Not applicable  
**Hazard class:** Not applicable  
**Exceptions:** Not applicable  
**Shipping name:** Not Regulated  
**Packing group:** Not applicable  
**2012 ERG Guide #:** Not applicable  
**Reportable Quantity:** No  
**Marine pollutant:** No

**Section 15 Regulatory Information**

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

| Component | TSCA   | CERLCA (RQ) | RCRA code  | DSL    | NDSL       |
|-----------|--------|-------------|------------|--------|------------|
| Dextrose  | Listed | Not listed  | Not listed | Listed | Not listed |

**Section 16 Other Information**

The information contained herein is furnished without warranty of any kind. Employers should use this information 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 of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.



## Section 1 L'identification de produit chimique et de compagnie

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**Aldon  
Corporation**

221 Rochester Street  
Avon, NY 14414  
(585) 226-6177

**CHEMTREC 24 Numéros De Téléphone  
De Secours D'Heure (800) 424-9300**  
Pour l'usage de laboratoire seulement  
Pas pour l'usage de drogue, de nourriture  
ou de ménage.

|                |                 |
|----------------|-----------------|
| <b>Produit</b> | <b>DEXTROSE</b> |
|----------------|-----------------|

|                  |           |
|------------------|-----------|
| <b>Synonymes</b> | D-Glucose |
|------------------|-----------|

## Section 2 Identification De Risques

Cette substance ou un mélange n'a pas été classé comme dangereux à ce selon le Système général harmonisé (SGH) de classification et d'étiquetage des produits chimiques.

Mention d'avertissement: Aucune requise

Pictogrammes: Aucun symbole n'est demandé

Les organes cibles: Aucun connu

Classification par le GHS: Aucune requise

Renseignements sur l'étiquette GHS: Mention de danger: Aucune requise

Déclarations de précaution: Aucune requise

## Informations supplémentaires:

Ne pas respirer les poussières. Ne pas mettre dans les yeux, la peau ou les vêtements. Porter des gants de protection / des vêtements de protection / protection des yeux / du visage. Se laver les mains après avoir manipulé. Consulter un médecin en cas de malaise.

CA Prop 65: Ce produit ne contient pas de produits chimiques connus à l'État de Californie pour causer le cancer ou de toxicité reproductive.

## Section 3 Composition / Information Sur Des Ingrédients

| Nommé Chimique    | # CAS   | %    | EINECS    |
|-------------------|---------|------|-----------|
| Dextrose, anhydre | 50-99-7 | 100% | 200-075-1 |

## Section 4 Mesures De Premiers Soins

**INGESTION:** Appeler un médecin ou un centre antipoison immédiatement. Provoquer le vomissement seulement si elle est informée par le personnel compétent médicaux. Ne jamais rien donner par la bouche à une personne inconsciente.

**INHALATION:** Sortir au grand air. Si elle ne respire pas, pratiquer la respiration artificielle. Si la respiration est difficile, donner de l'oxygène. Obtenir des soins médicaux.

**CONTACT AVEC LES YEUX:** Vérifier et enlever les lentilles de contact. Rincer abondamment à l'eau pendant au moins 15 minutes, en soulevant les paupières inférieures et supérieures de temps en temps. Obtenez une attention médicale immédiate.

**ABSORPTION PAR LA PEAU:** Enlever les vêtements contaminés. Rincer soigneusement avec du savon doux et d'eau. En cas d'irritation, consulter un médecin.

## Section 5 Mesures De Lutte Contre l'Incendie

**Moyens d'extinction:** Utilisez des supports adaptés pour éteindre le feu à l'appui.

**Actions de protection pour les sapeurs-pompiers:** En cas d'incendie, porter un appareil respiratoire NIOSH / MSHA approuvé autonome et un équipement complet de protection. Utiliser un jet d'eau pour maintenir incendie refroidir les conteneurs exposés.

**Dangers spécifiques:** En cas d'incendie, des gaz irritants et très toxiques peuvent être générés par la décomposition thermique ou la combustion.

## Section 6 Mesures De Déchargement Accidentel

**Précautions personnelles:** Évacuer le personnel vers la zone sûre. Utiliser un équipement de protection personnelle comme indiqué dans la Section 8. Assurer une ventilation adéquate.

**Précautions environnementales:** Éviter tout ruissellement vers les égouts pluviaux et les fossés qui aboutissent aux voies navigables.

**Confinement et de nettoyage:** Récupérer à l'usage s'il n'est pas contaminé. Balayer ou passer l'aspirateur et placer dans un récipient approprié pour une élimination appropriée. Laver la zone de déversement avec du savon et de l'eau.

**Section 7 Manipulation Et Stockage**

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**Précautions pour la manipulation en toute sécurité:** Lire l'étiquette sur le contenant avant d'utiliser, Ne pas porter de lentilles cornéennes lorsque vous travaillez avec des produits chimiques, Tenir hors de portée des enfants. Éviter tout contact avec les yeux, la peau et les vêtements. Ne pas inhaler les poussières, Utiliser avec une ventilation adéquate, Éviter l'ingestion. Bien se laver après la manipulation, Retirer et laver les vêtements avant de les réutiliser.

**Conditions de stockage:** Stocker dans un endroit frais, sec et bien aéré, loin des substances incompatibles.

**Section 8 Commandes D'Exposition / Protection Personnelle**

| Limites d'exposition: | Nommé Chimique | ACGIH (TLV)  | OSHA (PEL)   | NIOSH (REL)  |
|-----------------------|----------------|--------------|--------------|--------------|
|                       | Dextrose       | Aucun établi | Aucun établi | Aucun établi |

**Contrôles d'ingénierie:** Les installations d'entreposage ou d'utilisation de ce matériel doit être équipé d'une douche oculaire et une douche de sécurité et le matériel d'extinction d'incendie. Le personnel doit porter des lunettes de sécurité, des lunettes, ou un écran facial, une blouse de laboratoire ou tablier, des gants protecteurs appropriés. Utiliser une ventilation adéquate pour maintenir les concentrations atmosphériques faible.

**Protection respiratoire:** Aucun ne devrait être nécessaire dans le laboratoire normal manipulant aux températures ambiantes, Si les conditions poussiéreux prévaloir, travailler dans la hotte ou de porter un masque respiratoire approuvé NIOSH / MSHA.

**Section 9 Propriétés Physiques Et Chimiques**

|  |   |  |
|--|---|--|
| Apparence: Solide. Granules blanche.<br>Odeur: Aucune odeur.<br>Seuil de l'odeur: Données non disponibles.<br>pH: Données non disponibles.<br>Point de fusion / congélation: 148°C (298°F)<br>Point d'ébullition: Se décompose<br>Point d'éclair: Non applicable | Taux d'évaporation ( = 1): Non applicable<br>Inflammabilité (solide / gaz): Données non disponibles.<br>Limites d'explosivité: Bas / Max: Non applicable<br>Pression de vapeur (mm Hg): Négligeable<br>Densité de vapeur (Air = 1): 6.3<br>Densité relative (gravité spécifique): 1.5<br>Solubilité (s): 90 g/100 ml water @ 20°C | Coefficient de partage: (n-octanol / eau): Données non disponibles<br>Auto-inflammation: Données non disponibles<br>Température de décomposition: Données non disponibles<br>Viscosité: Données non disponibles.<br>Formule moléculaire: C <sub>6</sub> H <sub>12</sub> O <sub>6</sub><br>Poids moléculaire: 180, 16 |
|--|---|--|

**Section 10 Stabilité Et Réactivité**

**Stabilité chimique:** Stable

**Polymérisation dangereuse:** N'aura pas lieu.

**Conditions à éviter:** Les températures excessives.

**Matières incompatibles:** Comburentes fortes.

**Produits dangereux de décomposition:** Oxydes de carbones.

**Section 11 L'Information Toxicologique**

**Toxicité aiguë:** Données non disponibles

**La corrosion de la peau et l'irritation:** Données non disponibles

**Des lésions oculaires graves / irritation:** Données non disponibles

**Respiratoire ou sensibilisation de la peau:** Données non disponibles

**Mutagénicité des cellules germinales:** Données non disponibles

**Cancérogène:** Données non disponibles

NTP: Aucun composant de ce produit présent à des niveaux supérieurs ou égaux à 0,1% n'a été identifié comme cancérigène reconnu ou présumé par NTP.

IARC: Aucun composant de ce produit présent à des niveaux supérieurs ou égaux à 0,1% n'a été identifié comme cancérigène probable, possible ou confirmé par IARC.

OSHA: Aucun composant de ce produit présent à des niveaux supérieurs ou égaux à 0,1% n'a été identifié comme cancérigène ni comme cancérigène possible par OSHA.

**Reproductive toxicity:** Données non disponibles

**STOT-exposition unique:** Données non disponibles

**STOT-une exposition répétée:** Données non disponibles

**Risque d'aspiration:** Données non disponibles

**Effets d'une surexposition:**

Inhalation: Inhalation may cause respiratory irritation.

Ingestion: Ne devrait pas être un danger pour la santé.

Peau: Ne devrait pas être un danger pour la santé.

Yeux: Contact avec les yeux peut causer une irritation passagère.

**Les signes et les symptômes de l'exposition:** Au meilleur de notre connaissance les propriétés chimiques, physiques et toxicologiques n'ont pas été à fond étudiées. Les données spécifiques ne sont pas disponibles. Procédures appropriées d'exercice pour réduire au minimum des risques.

**Informations complémentaires:** RTECS #: Données non disponibles

**Section 12 L'Information Écologique**

**Toxicité pour les poissons:** Pas de données disponibles

**Toxicité pour les daphnies et autres invertébrés aquatiques:** Pas de données disponibles

**Toxicité pour les algues:** Pas de données disponibles

**Persistance et dégradabilité:** Pas de données disponibles

**Potentiel de bioaccumulation:** Pas de données disponibles

**Mobilité dans le sol:** Pas de données disponibles

**Évaluation PBT et vPvB:** Pas de données disponibles

**Autres effets indésirables:** Un danger pour l'environnement ne peut pas être exclu dans l'éventualité d'une manipulation ou d'élimination.

**Section 13 Considérations De Disposition**

Ces lignes directrices sont destinées à l'élimination de la disposition d'un catalogue de taille seules les quantités. Les règlements fédéraux peuvent s'appliquer aux contenants vides. Des réglementations nationales et / ou local peut être différent. Éliminer conformément à toutes les réglementations locales, provinciales et fédérales ou d'un contrat avec une agence élimination des produits chimiques sous licence.

**Section 14 L'Information De Transport (US DOT / CANADA TMD)**

**Numéro UN / NA:** Non applicable

**Nom d'expédition:** Non réglé

**Classe de danger:** Non applicable

**Groupe d'emballage:** Non applicable

**Quantité à déclarer:** Non

**Polluant marin:** Non

**Exceptions:** Non applicable

**2012 ERG Guide #:** Non applicable

**Section 15 L'Information De Normalisation**

Un produit chimique est considéré comme inscrit si le numéro CAS pour la forme anhydre est sur la liste d'inventaire.

| Composant | TSCA   | CERLCA (RQ) | RCRA code  | DSL    | NDSL       |
|-----------|--------|-------------|------------|--------|------------|
| Dextrose  | Listed | Not listed  | Not listed | Listed | Not listed |

**Section 16 L'autre Information**

Les informations contenues dans ce document sont fournis sans garantie d'aucune sorte. Les employeurs devraient considérer cette information seulement comme complément à d'autres informations recueillies par eux et doivent prendre des décisions indépendantes de la pertinence et l'exhaustivité de l'information de toutes les sources afin d'assurer une utilisation correcte de ces matériaux et de la sécurité et la santé des employés. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

## Section 1 Chemical Product and Company Identification

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**Aldon  
Corporation**

221 Rochester Street  
Avon, NY 14414  
(585) 226-6177

**CHEMTREC 24 Hour Emergency  
Phone Number (800) 424-9300**  
For laboratory use only  
Not for drug, food or household use.

**Product** BLUE DYE SOLUTION

**Synonyms** Food Coloring - Blue 1.25%

## Section 2 Hazards Identification

This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

**Signal word:** None required  
**Pictograms:** No symbol required  
**Target organs:** None known

**GHS Classification:** None required  
**GHS Label information: Hazard statement:** None required  
**Precautionary statement:** None required

**Supplemental information:**

Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

## Section 3 Composition / Information on Ingredients

| Chemical Name                 | CAS #     | %      | EINECS    |
|-------------------------------|-----------|--------|-----------|
| Water                         | 7732-18-5 | 98.75% | 231-791-2 |
| FD&C Blue #1 (C.I. No. 42090) | 3844-45-9 | 1.25%  | 223-339-8 |

## Section 4 First Aid Measures

**INGESTION:** MAY BE HARMFUL BY INGESTION. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN ABSORPTION:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

## Section 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Use any media suitable for extinguishing supporting fire

**Protective Actions for Fire-fighters:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

**Specific Hazards:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

## Section 6 Accidental Release Measures

**Personal Precautions:** Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

**Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.

**Containment and Cleanup:** Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Section 7 Handling & Storage**

**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances.

**Section 8 Exposure Controls / Personal Protection**

| Exposure Limits: | Chemical Name | ACGIH (TLV)      | OSHA (PEL)       | NIOSH (REL)      |
|------------------|---------------|------------------|------------------|------------------|
|                  | FD&C Blue #1  | None established | None established | None established |

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

**Section 9 Physical & Chemical Properties**

|   |   |   |
|---|---|---|
| <b>Appearance:</b> Liquid, clear, light blue.                     | <b>Evaporation rate ( Water = 1):</b> <1                              | <b>Partition coefficient:</b> Data not available      |
| <b>Odor:</b> No odor.   | <b>Flammability (solid/gas):</b> Data not available.                  | <b>Auto-ignition temperature:</b> Data not available  |
| <b>Odor threshold:</b> Data not available.                        | <b>Explosion limits: Lower / Upper:</b> Data not available            | <b>Decomposition temperature:</b> Data not available. |
| <b>pH:</b> Data not available.                                    | <b>Vapor pressure (mm Hg):</b> 14 (water)                             | <b>Viscosity:</b> Data not available.                 |
| <b>Melting / Freezing point:</b> Approximately 0°C (32°F) (water) | <b>Vapor density (Air = 1):</b> 0.7 (water)                           | <b>Molecular formula:</b> Mixture                     |
| <b>Boiling point:</b> Approximately 100°C (212°F) (water)         | <b>Relative density (Specific gravity):</b> Approximately 1.0 (water) | <b>Molecular weight:</b> Mixture                      |
| <b>Flash point:</b> Data not available                            | <b>Solubility(ies):</b> Complete in water.                            |   |

**Section 10 Stability & Reactivity**

**Chemical stability:** Stable **Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Excessive temperatures which cause evaporation.

**Incompatible materials:** Strong oxidizers, reducing agents.

**Hazardous decomposition products:** Oxides of carbon, nitrogen oxides, sulfur oxides.

**Section 11 Toxicological Information**

**Acute toxicity:** Oral-rat LD50: >2,000 mg/kg

**Skin corrosion/irritation:** Data not available

**Serious eye damage/irritation:** Data not available

**Respiratory or skin sensitization:** Data not available

**Germ cell mutagenicity:** Data not available

**Carcinogenicity:** Data not available

**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.

**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.

**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.

**Reproductive toxicity:** Data not available

**STOT-single exposure:** Data not available

**STOT-repeated exposure:** Data not available

**Aspiration hazard:** Data not available

**Potential health effects:**

**Inhalation:** Not expected to be a health hazard.

**Ingestion:** May be harmful by ingestion.

**Skin:** Contact may cause irritation.

**Eyes:** Contact may cause irritation.

**Signs and symptoms of exposure:** To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

**Additional information:** RTECS #: Data not available

**Section 12 Ecological Information**

**Toxicity to fish:** No data available

**Toxicity to daphnia and other aquatic invertebrates:** No data available

**Toxicity to algae:** No data available

**Persistence and degradability:** No data available **Bioaccumulative potential:** No data available

**Mobility in soil:** No data available **PBT and vPvB assessment:** No data available

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Section 13 Disposal Considerations**

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

**Section 14 Transport Information (US DOT / CANADA TDG)**

**UN/NA number:** Not applicable

**Shipping name:** Not Regulated

**Hazard class:** Not applicable

**Packing group:** Not applicable

**Reportable Quantity:** No

**Marine pollutant:** No

**Exceptions:** Not applicable

**2012 ERG Guide #** Not applicable

**Section 15 Regulatory Information**

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

| Component                     | TSCA   | CERLCA (RQ) | RCRA code  | DSL    | NDSL       |
|-------------------------------|--------|-------------|------------|--------|------------|
| FD&C Blue #1 (C.I. No. 42090) | Listed | Not listed  | Not listed | Listed | Not listed |

**Section 16 Other Information**

The information contained herein is furnished without warranty of any kind. Employers should use this information 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 of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

**Section 1 Chemical Product and Company Information**

**Aldon  
Corporation**

221 Rochester Street  
Avon, NY 14414  
(585) 226-6177

**CHEMTREC 24 Hour Emergency  
Phone Number (800) 424-9300**  
For laboratory use only.  
Not for drug, food or household use.

**Product** LIQUID STARCH CONCENTRATE

**Synonyms** Liquid Starch Concentrate

**Section 2 Hazards Identification**

**This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.**

**Signal word:** None required  
**Pictograms:** No symbol required  
**Target organs:** None known

**GHS Classification:** None required  
**GHS Label information: Hazard statement:** None required  
**Precautionary statement:** None required

**Supplemental information:**

Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

**Section 3 Composition / Information on Ingredients**

| Chemical Name | CAS #             | %    | EINECS            |
|---------------|-------------------|------|-------------------|
| STA-FLO®*     | Proprietary blend | 100% | Proprietary blend |

\*Contains: Water, Corn starch, Borax, Processing aids, Preservative, Ironing aid, Perfume

**Section 4 First Aid Measures**

**INGESTION:** MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** MAY CAUSE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN ABSORPTION:** MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

**Section 5 Fire Fighting Measures**

**Suitable Extinguishing Media:** Use any media suitable for extinguishing supporting fire

**Protective Actions for Fire-fighters:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

**Specific Hazards:** In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume

**Section 6 Accidental Release Measures**

**Personal Precautions:** Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

**Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.

**Containment and Cleanup:** Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Section 7 Handling & Storage**

**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, well-ventilated area away from incompatible substances.

**Section 8 Exposure Controls / Personal Protection**

| Exposure Limits: | Chemical Name    | ACGIH (TLV)               | OSHA (PEL)                                   | NIOSH (REL)                                  |
|------------------|------------------|---------------------------|--|--|
|                  | Starch 9005-25-8 | TWA: 10 mg/m <sup>3</sup> | TWA: 5 mg/m <sup>3</sup> respirable fraction | TWA: 5 mg/m <sup>3</sup> respirable fraction |

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

**Section 9 Physical & Chemical Properties**

|   |  |   |
|---|--|---|
| <b>Appearance:</b> Liquid. Blue, opaque.            | <b>Evaporation rate ( = 1):</b> Data not available         | <b>Partition coefficient:</b> Data not available      |
| <b>Odor:</b> Fragrant odor.                         | <b>Flammability (solid/gas):</b> Data not available.       | <b>Auto-ignition temperature:</b> Data not available  |
| <b>Odor threshold:</b> Data not available.          | <b>Explosion limits: Lower / Upper:</b> Data not available | <b>Decomposition temperature:</b> Data not available. |
| <b>pH:</b> 8.5-9.3                                  | <b>Vapor pressure (mm Hg):</b> Data not available          | <b>Viscosity:</b> Data not available.                 |
| <b>Melting / Freezing point:</b> Data not available | <b>Vapor density (Air = 1):</b> Data not available         | <b>Molecular formula:</b> Mixture                     |
| <b>Boiling point:</b> Data not available            | <b>Relative density (Specific gravity):</b> 1.035 @ 25°C   | <b>Molecular weight:</b> Mixture                      |
| <b>Flash point:</b> Data not available              | <b>Solubility(ies):</b> Complete in water.                 |   |

**Section 10 Stability & Reactivity**

**Chemical stability:** Stable **Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Excessive temperatures which cause evaporation.

**Incompatible materials:** Strong oxidizers and reducing agents.

**Hazardous decomposition products:** Boron oxide and sodium oxides.

**Section 11 Toxicological Information**

**Acute toxicity:** Data not available

**Skin corrosion/irritation:** Data not available

**Serious eye damage/irritation:** Data not available

**Respiratory or skin sensitization:** Data not available

**Germ cell mutagenicity:** Data not available

**Carcinogenicity:** Data not available

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.

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.

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.

**Reproductive toxicity:** Data not available

**STOT-single exposure:** Data not available

**STOT-repeated exposure:** Data not available

**Aspiration hazard:** Data not available

**Potential health effects:**

Inhalation: May cause respiratory tract irritation.

Ingestion: Ingestion may cause gastrointestinal irritation. Symptoms of over-exposure may include nausea, vomiting and diarrhea.

Skin: Repeated or prolonged contact with skin may cause irritation and/or defatting on prolonged contact.

Eyes: Contact may cause irritation.

**Signs and symptoms of exposure:** To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

**Additional information:** RTECS #: Data not available

**Section 12 Ecological Information**

**Toxicity to fish:** No data available

**Toxicity to daphnia and other aquatic invertebrates:** No data available

**Toxicity to algae:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT and vPvB assessment:** No data available

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Section 13 Disposal Considerations**

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

**Section 14 Transport Information**

**UN/NA number:** Not applicable

**Shipping name:** Not Regulated

**Hazard class:** Not applicable

**Packing group:** Not applicable

**Reportable Quantity:** No

**Marine pollutant:** No

**Exceptions:** Not applicable

**2012 ERG Guide #** Not applicable

**Section 15 Regulatory Information**

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list

| Component   | TSCA   | CERLCA (RQ) | RCRA code  | DSL    | NDSL       | WHMIS Classification |
|---|--------|-------------|------------|--------|------------|----------------------|
| All components listed with the following agencies | Listed | Not listed  | Not listed | Listed | Not listed | Not listed           |

**Section 16 Additional Information**

The information contained herein is furnished without warranty of any kind. Employers should use this information 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 of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

Revision Date: May 1, 2015

Supersedes: May 1, 2015

## Section 1 Chemical Product and Company Information

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**Aldon  
Corporation**

221 Rochester Street  
Avon, NY 14414  
(585) 226-6177

**CHEMTREC 24 Hour Emergency  
Phone Number (800) 424-9300**  
For laboratory use only.  
Not for drug, food or household use.

**Product** RED OSMOSIS DYE

**Synonyms** Congo Red, Water Solution

## Section 2 Hazards Identification

**Signal word:** DANGER  
**Pictograms:** GHS08  
**Target organs:** None known



**GHS Classification:**  
Carcinogenicity (Category 1B)  
Reproductive toxicity (Category 2)

**GHS Label information: Hazard statement:**  
H350: May cause cancer.  
H361d: Suspected of damaging the unborn child.

**Precautionary statement:**

P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P308+P311: IF exposed or concerned: Call a POISON CENTER or doctor.  
P405: Store locked up.  
P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

## Section 3 Composition / Information on Ingredients

| Chemical Name | CAS #     | %      | EINECS    |
|---------------|-----------|--------|-----------|
| Water         | 7732-18-5 | 98.75% | 231-791-2 |
| Congo red     | 573-58-0  | 1.25%  | 209-358-4 |

## Section 4 First Aid Measures

**INGESTION:** MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** MAY CAUSE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN ABSORPTION:** HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

## Section 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Use any media suitable for extinguishing supporting fire

**Protective Actions for Fire-fighters:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

**Specific Hazards:** In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

## Section 6 Accidental Release Measures

**Personal Precautions:** Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

**Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.

**Containment and Cleanup:** Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

**Section 7 Handling & Storage**

**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, well-ventilated area away from incompatible substances. Protect from light.

**Section 8 Exposure Controls / Personal Protection**

| Exposure Limits: | Chemical Name | ACGIH (TLV)     | OSHA (PEL)      | NIOSH (REL)     |
|------------------|---------------|-----------------|-----------------|-----------------|
|                  | Congo red     | Not established | Not established | Not established |

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

**Section 9 Physical & Chemical Properties**

|   |   |   |
|---|---|---|
| <b>Appearance:</b> Clear, red liquid.<br><b>Odor:</b> Mild characteristic odor.<br><b>Odor threshold:</b> Data not available.<br><b>pH:</b> Data not available.<br><b>Melting / Freezing point:</b> Approximately 0°C (32°F) (water)<br><b>Boiling point:</b> Approximately 100°C (212°F) (water)<br><b>Flash point:</b> Data not available | <b>Evaporation rate ( Water = 1):</b> <1<br><b>Flammability (solid/gas):</b> Data not available.<br><b>Explosion limits: Lower / Upper:</b> Data not available<br><b>Vapor pressure (mm Hg):</b> 14 (water)<br><b>Vapor density (Air = 1):</b> 0.7 (water)<br><b>Relative density (Specific gravity):</b> Approximately 1.0 (water)<br><b>Solubility(ies):</b> Complete in water. | <b>Partition coefficient:</b> Data not available<br><b>Auto-ignition temperature:</b> Data not available<br><b>Decomposition temperature:</b> Data not available.<br><b>Viscosity:</b> Data not available.<br><b>Molecular formula:</b> Mixture<br><b>Molecular weight:</b> Mixture |
|---|---|---|

**Section 10 Stability & Reactivity**

**Chemical stability:** Stable **Hazardous polymerization:** Will not occur.

**Conditions to avoid:** Excessive temperatures which cause evaporation. Protect from light.

**Incompatible materials:** Strong oxidizers.

**Hazardous decomposition products:** Carbon oxides, sulfur oxides, sodium oxides and nitrogen oxides.

**Section 11 Toxicological Information**

**Acute toxicity:** Oral-rat LD50: 15200 mg/kg / Oral-man LDLo: 143 mg/kg [Congo red]

**Skin corrosion/irritation:** Data not available

**Serious eye damage/irritation:** Data not available

**Respiratory or skin sensitization:** Data not available

**Germ cell mutagenicity:** Data not available

**Carcinogenicity:** Data not available

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.

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.

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.

**Reproductive toxicity:** Data not available

**STOT-single exposure:** Data not available

**STOT-repeated exposure:** Data not available

**Aspiration hazard:** Data not available

**Potential health effects:**

Inhalation: Harmful by inhalation.

Ingestion: Harmful by ingestion.

Skin: Harmful if absorbed through skin. Contact may cause irritation.

Eyes: Contact may cause irritation.

**Signs and symptoms of exposure:** See Potential health effects above. To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

**Additional information:** RTECS #: QK1400000 [Congo red]

**Section 12 Ecological Information**

**Toxicity to fish:** No data available

**Toxicity to daphnia and other aquatic invertebrates:** No data available

**Toxicity to algae:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT and vPvB assessment:** No data available

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Section 13 Disposal Considerations**

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

**Section 14 Transport Information (US DOT / CANADA TDG)**

**UN/NA number:** Not applicable

**Shipping name:** Not Regulated

**Hazard class:** Not applicable

**Packing group:** Not applicable

**Reportable Quantity:** No

**Marine pollutant:** No

**Exceptions:** Not applicable

**2012 ERG Guide #:** Not applicable

**Section 15 Regulatory Information**

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list

| Component | TSCA   | CERLCA (RQ) | RCRA code  | DSL    | NDSL       | WHMIS Classification |
|-----------|--------|-------------|------------|--------|------------|----------------------|
| Congo red | Listed | Not listed  | Not listed | Listed | Not listed | Not listed           |

**Section 16 Additional Information**

The information contained herein is furnished without warranty of any kind. Employers should use this information 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 of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook