

SAFETY DATA SHEET
iTag Solution 1

SECTION 1: IDENTIFICATION

Product name: iTag Solution #1
Chemical Name:

Details of the supplier of the safety data sheet

Company:

CEM Corporation
3100 Smith Farm Road
Matthews, NC 28104

Telephone: 704-821-7015
Fax: 704-821-7894

SECTION 2: HAZARD(S) IDENTIFICATION



Classification:

Irritant

Skin Irritation: 2

Eye Irritation: 2

Corrosive

Hazard Statements

Causes severe skin burns and serious eye damage

Skin corrosion, Category 1B

Serious eye damage, Category 1

May be corrosive to metals

Danger: Acid and water mixture, harmful to skin, harmful if swallowed

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Ingredient: Glacial Acetic Acid
CAS No.: 64-19-7
Concentration: 56%

Ingredient: Oxalic acid
CAS No.: 144-62-7
Concentration: <1%

Ingredient: Crocein Orange G
CAS No.: 1934-20-9
Concentration: 1%

Ingredient: Water
Concentration: 42%

SECTION 4: FIRST-AID MEASURES

Emergency first aid procedures: Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Skin contact: Wash affected are with soap and water. Rinse thoroughly. Seek medical attention if irritation, discomfort, or vomiting persists.

Eye contact: Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for at least 15 minutes. Remove contact len(es) if able to do so during rinsing. Get medical attention.

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. Give artificial respiration if necessary. If breathing persists, give oxygen.

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

Personal protection for the first aid person: Use PPE as noted in section 8

Indication for physician: Possible redness of skin, orange stain on skin. Persons with pre-existing skin disorders or impaired respiratory or pulmonary function may be at increased risk to the effects of this substance. Treat symptomatically and supportively

SECTION 5: FIRE-FIGHTING MEASURES

Suitable fire extinguishing media: Water, Foam, CO2

Any special protection required for emergency responders: NONE

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear PPE as noted in section 8
Environment precautions: Absorb any liquid with spill absorbent.
Methods of containment: Absorb any liquid with spill absorbent.
Methods for cleaning up: Neutralize all surfaces

SECTION 7: HANDLING AND STORAGE

Handling precautions: None if sealed in original container. Use proper PPE if opened
Storage conditions: Keep container closed. Store away from heat

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: Unknown
Personal protection equipment: Protective goggles. Gloves. Chemical resistant apron. Face shield.
Hands protection: Always wear protective gloves; i.e. disposable nitrile gloves
Eye protection: Always wear safety glasses or a face shield
Skin and body protection: Disposable gloves, lab coat and or lab apron
Respirators protection: Not required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Deep red or orange liquid
Odor: Pungent vinegar like odor
Flammability: 0
Specific gravity: 1.01
Boiling point: >100°C
Freezing point: <15°C
Solubility: soluble in water
Vapor pressure: N/A
Relative density:
pH value: 1.0
Decomposition temp.: N/A
Flash point: N/A

SECTION 10: STABILITY AND REACTIVITY

Chemical stability: Stable

Possible hazard under special condition: High temperatures, ignition sources

Condition to avoid: basic conditions

Material to avoid: strong bases

Hazardous decomposition product: Carbon oxides

TOXICOLOGICAL INFORMATION

Acute toxicity: no info available for mixture

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

Skin corrosion/irritation : Causes severe skin burns.

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : 1.2 mm²/s

Likely routes of exposure : Inhalation. Skin and eye contact.

Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after eye contact: Causes serious eye damage

SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

Ecotoxicity: Do not empty into drains

Bioaccumulation/ Accumulation: No information available

SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)

N/A

SECTION 16: OTHER INFORMATION

This information is presented in good faith and believed to be accurate as of the date shown. This information 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 determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.