



iTag Solution # 3 Concentrate

Part Number: 600552

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015) & US HazCom 2024
Issue date: December 2025 Version: A

SECTION 1 Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : iTag Solution # 3 Concentrate
Product code : 558185

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Cleaning agent; Detergent
Restrictions on use : No additional information available

1.4. Supplier's details

CEM Corporation
3100 Smith Farm Road
Matthews, NC 28104
Tel: 1-800-726-3331
Email: info@cem.com

1.5. Emergency phone number

Emergency number : 704-821-7015
8:30 – 17:00 (ET)

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

GHS US classification according to US HazCom 2024

Serious eye damage/eye irritation, Category 2 Causes serious eye irritation.

Classification (GHS CA) according to the Hazardous Products Regulation (February 11, 2015)

Serious eye damage/eye irritation, Category 2 Causes serious eye irritation.

2.2. GHS label elements, including precautionary statements

GHS US labeling according to US HazCom 2024

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : Causes serious eye irritation
Precautionary statements (GHS US) : Wash hands, forearms and face thoroughly after handling.
Wear eye protection, protective gloves.
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.

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GHS CA labelling according to the Hazardous Products Regulation (February 11, 2015)

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Warning

Hazard statements (GHS CA) : Causes serious eye irritation

Precautionary statements (GHS CA) :

Wash hands, forearms and face thoroughly after handling.

Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

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.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%*	Classification (GHS CA)
Sodium dodecylbenzenesulfonate	C10-16 Monoalkylbenzene sulfonic acid, sodium salt Benzenesulfonate, dodecyl-, sodium / Benzenesulfonic acid, dodecyl-, sodium salt /	CAS-No.: 68081-81-2	0.75 – 2.25	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.
First-aid measures after eye contact	: Immediately rinse with plenty of water (for at least 15 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after eye contact : Causes serious eye irritation.

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4.3. Indication of immediate medical attention and special treatment needed, if necessary

Note to physician : : Treat symptomatically.

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : On combustion, forms: carbon oxides (CO and CO₂).
Explosion hazard : No hazard identified.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Thermal decomposition may produce : Carbon oxides (CO, CO₂).

5.3. Special protective actions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate spillage area.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Ventilate area.

Environmental precautions : Avoid (direct) release (of undiluted product) to the environment/sewage system.

6.2. Methods and materials for containment and cleaning up

For containment : Absorb spillage to prevent material damage.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials.
Other information : Dispose of in a safe manner in accordance with local/national regulations.
For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

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Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.
Incompatible materials : None known.
Specific end uses : See Section 1.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Eyewash bottle with clean water.
Environmental exposure controls : Avoid (direct) release (of undiluted product) to the environment/sewage system.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection:

Chemically resistant protective gloves. Nitrile rubber gloves. ISO 374-1. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

Eye protection:

Safety glasses with side shields. ISO 16321-1

Respiratory protection:

Not required for normal conditions of use

Other information:

Do not eat, drink or smoke during use.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Liquid
Appearance : Clear.
Colour : Colourless
Odour : No data available
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Relative evaporation rate (ether=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available

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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: No data available
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: The product is stable at normal handling and storage conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: None known.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Carbon oxides (CO, CO ₂).
Hardening time:	: No additional information available

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Sodium dodecylbenzenesulfonate (68081-81-2)	
LD50 oral rat	1080 – 1980 mg/kg Source: OECD Screening Information Data Set
LD50 oral	650 mg/kg bodyweight
LD50 dermal rabbit	> 631 mg/kg Source: OECD Screening Information Data Set
ATE CA (oral)	500 mg/kg bodyweight

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)

Sodium dodecylbenzenesulfonate (68081-81-2)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Symptoms/effects after eye contact	: Causes serious eye irritation.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

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SECTION 12 Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not a OSHA HazCom 2024 hazard endpoint /Not a WHMIS 2022 hazard endpoint

Hazardous to the aquatic environment, long-term (chronic) : Not a OSHA HazCom 2024 hazard endpoint /Not a WHMIS 2022 hazard endpoint

Sodium dodecylbenzenesulfonate (68081-81-2)	
LC50 - Fish [1]	1.67 mg/l Source: SIDS
EC50 - Crustacea [1]	1.62 mg/l Source: SIDS
EC50 - Other aquatic organisms [1]	4.1 mg/l waterflea
EC50 - Other aquatic organisms [2]	9.1 mg/l
EC50 96h - Algae [1]	29 mg/l Source: SIDS

12.2. Persistence and degradability

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Persistence and degradability	Not established.

Sodium dodecylbenzenesulfonate (68081-81-2)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.

Sodium dodecylbenzenesulfonate (68081-81-2)	
BCF - Fish [1]	(130 L/kg)
Bioconcentration factor (BCF REACH)	220
Partition coefficient n-octanol/water (Log Pow)	1.96 (at 25 °C (at pH 7))

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not a OSHA HazCom 2024 hazard endpoint /Not a WHMIS 2022 hazard endpoint

Other information : Avoid release to the environment.

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose of in a safe manner in accordance with local/national regulations.
Ecological waste information : Avoid release to the environment.

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SECTION 14 Transport information

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN Number			
Not regulated for transport			
14.2. UN Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group, if applicable			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

TDG

Not regulated

DOT

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Sodium dodecylbenzenesulfonate	68081-81-2	Present	Active	

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Sodium dodecylbenzenesulfonate (68081-81-2)

CERCLA RQ	1000 lb
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California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Sodium dodecylbenzenesulfonate(68081-81-2)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Sodium dodecylbenzenesulfonate (68081-81-2)
Listed on the Canadian DSL (Domestic Substances List)

SECTION 16 Other Information

according to the Hazardous Products Regulation (February 11, 2015) & US HazCom 2024.

Issue date : December 2025

Other information : None.

Safety Data Sheet (SDS), Canada & USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.