

W5C

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: W5C
SDS Number: W5C
Revision Date: 6/14/2022
Product Use: NDT Inspection Developer

Supplier Details: Sherwin Inc.
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ChemTel Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086 and Mexico: 800-099-0731

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Skin corrosion/irritation, 3
Physical, Oxidizing Solids, 3
Health, Acute toxicity, 4 Oral

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H319 - Causes serious eye irritation
H316 - Causes mild skin irritation
H272 - May intensify fire; oxidizer
H302 - Harmful if swallowed

GHS Precautionary Statements:

Observe good industrial hygiene practices.

P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 - IF ON SKIN (or hair): Wash off with soap and water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
497-19-8	10-30%	Sodium-carbonate
7632-00-0	1-10%	Sodium nitrite

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention now.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops and persists.

Eye Contact: In the case of contact with eyes, rinse immediately with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

5 FIRE FIGHTING MEASURES

Flash Point: Not available

Autoignition Temp: N/A

Lower Explosive Limit: N/A

UEL: N/A

Suitable extinguishing agents: Water haze, Foam, ABC powder

Unsuitable extinguishing: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from: During fire, gases hazardous to health may be formed.

Protective equipment: As in any fire, wear self-contained respiratory protective device. Wear fully protective suit.

General fire hazards No unusual fire or explosion hazards noted. General fire hazards No unusual fire or explosion hazards noted.

Suitable extinguishing agents: Water fog, Dry chemical, Carbon dioxide

Special combustion hazards arising from the substance or mixture: If heated to decomposition, gases hazardous to health may be formed

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit

Unsuitable extinguishing media: High volume water jet

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Avoid inhalation of dust. For personal protection, see section 8 of the SDS.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment

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and cleaning up:

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS.

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HANDLING AND STORAGE

Handling Precautions:

Do not breathe dust.
Provide adequate ventilation.
Wear appropriate personal protective equipment.
Observe good industrial hygiene.

Storage Requirements:

Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully re-sealed and kept upright to prevent leakage.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Use mechanical (general) ventilation for storage areas. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Personal Protective Equipment:

Wear safety glasses with side shields. Wear a full-face respirator, if needed.
Wear protective gloves.

Exposure Limits:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

ACGIH TWA 3.5 mg/m³ Respirable dust
NIOSH TWA 10 mg/m³ Total dust
5 mg/m³ Respirable fraction



General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with eyes and skin.
Routinely wash work clothing and protective equipment to remove contaminants.



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9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	White to off-white	Odor:	Odorless
Physical State:	Powder	Solubility:	Soluble
Spec Grav./Density:	Not determined	Freezing/Melting Pt.:	Not applicable
Viscosity:	Not applicable	Flash Point:	Non-combustible
Flammability:	Not applicable	Bulk Density:	Not determined
Vapor Pressure:	Not applicable	Auto-Ignition Temp:	Not determined
Evaporation Rate:	Not applicable		

10	STABILITY AND REACTIVITY
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Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid Identification:	Contact with incompatible materials. Avoid dispersal of dust formation.
Materials to Avoid Identification:	Acids. Strong Oxidizing Agents.
Hazardous Decomposition:	Oxides of nitrogen, carbon, sodium, phosphorous
Hazardous Polymerization:	Will not occur.

11	TOXICOLOGICAL INFORMATION
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Information on likely routes of exposure

- Inhalation** Inhalation of dusts may cause respiratory irritation. Prolonged inhalation may be harmful.
- Skin contact** Dust or powder may irritate the skin.
- Eye contact** Dust in the eyes will cause irritation.
- Ingestion** Expected to be a low ingestion hazard.

Acute toxicity

	Oral LD50 mg/kg	Inhalation dust/mist LC50 mg/l 4hr	Dermal LD50
Sodium nitrite, 7632-00-0	88(Rat)	5.5(Rat)	>2000(Rabbit)
Sodium carbonate, 497-19-8	2800(Rat)	2.3(Rat)	>2000(Rabbit)

ROUTE OF EXPOSURE: The most significant routes of overexposure for this product are by contact with the skin or eyes. The symptoms of overexposure are described in the following paragraphs.

ACUTE:

- INHALATION:** May cause irritation
- CONTACT WITH SKIN:** May cause irritation
- EYE CONTACT:** Irritating
- INGESTION:** Ingestion of large quantities may cause abdominal cramps, nausea, vomiting, diarrhea

Reproductive toxicity

Not expected to cause reproductive or developmental effects.

IARC Monographs. Overall Evaluation of Carcinogenicity

None of the ingredients are considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE: May cause eye and/or respiratory irritation.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE: Data not sufficient for classification.

12	ECOLOGICAL INFORMATION
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Ecotoxicity

No specific data available on this product. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistency and degradability

No data available.

Bioaccumulative potential

No data available

Mobility in soil

No data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations
Collect all waste in suitable and labeled containers and dispose according to local legislation.
Do not re-use empty containers.

14 TRANSPORT INFORMATION

DOT, IATA, IMDG:

Not regulated

15 REGULATORY INFORMATION

TSCA All components are on the Inventory list

US federal regulations

CERCLA Hazardous Substance List (40 CFR 302.4)

Does not have any components that would be expected to exceed a RQ.

Sodium nitrite RQ = 100 lbs

SARA 304 Emergency release notification

Does not have any components that would reasonably exceed a RQ.

Ethylene oxide RQ = 10 lbs

SARA 311/312 Hazard classes

Skin corrosion or irritation

Serious eye damage or irritation

Acute toxicity

Oxidizer (liquid, solid or gas)

SARA 302 Extremely hazardous substance

Not listed.



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SARA 313 (TRI reporting)

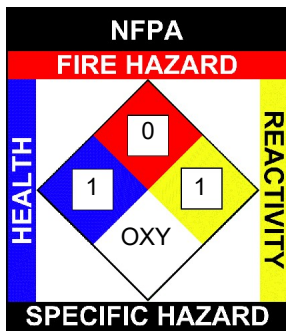
This product does not contain any chemical components with known CAS numbers that would be expected to exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Sodium nitrite, ethylene oxide, ethylbenzene

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OTHER INFORMATION

NFPA: Health = 1, Fire = 0, Reactivity = 1, Specific Hazard = OXY



This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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