

Safety Data Sheet

TRITON BLUE NO. 347

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 11/12/2024

SECTION 1: Identification

Identification

Product Name : TRITON BLUE NO. 347
Product code : FP0347
CAS-No. : MIXTURE
Synonyms : No additional information available
Recommended use : No additional information available
Restrictions on use : No additional information available

Supplier

Hydrite Chemical Co.
17385 Golf Parkway
Brookfield, WI, 53045
T 262-792-1450

Emergency telephone number

EMERGENCY RESPONSE NUMBERS:
24 Hour Emergency #: 1-800-283-4459
CHEMTREC Emergency #: (800) 424-9300

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 1
Specific target organ toxicity (repeated exposure) Category 2
Hazardous to the aquatic environment – Acute Hazard Category 3

GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: Causes skin irritation
Causes serious eye damage
May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation)
Harmful to aquatic life

Precautionary statements (GHS US)

Prevention

: Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands, forearms and face thoroughly after handling.

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Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

Response

- : IF ON SKIN: Wash with plenty of water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a poison center or doctor.
- Get medical advice/attention if you feel unwell.
- Specific treatment (see supplemental first aid instruction on the SDS).
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing and wash it before reuse.

Disposal

- : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Hazards not otherwise classified**Hazards not otherwise classified**

- : No additional information available

Unknown acute toxicity (GHS US)**Unknown acute toxicity (GHS US)**

- : 16% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
- 19.97% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
- 19.97% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients**Substances/ Mixtures**

Name	Product identifier	%	GHS US classification
ALCOHOL ETHOXYLATE*	CAS-No.: Trade Secret	15 – 25	Skin Irrit. 2, H315 Eye Dam. 1, H318
SODIUM XYLENE SULFONATE	CAS-No.: 1300-72-7	1 – 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2B, H320
TETRASODIUM EDTA	CAS-No.: 64-02-8	1 – 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 3, H402 Comb. Dust

Note: Any chemical identity and/or exact percentage not expressly stated is being withheld as a trade secret or is due to batch variation.

SECTION 4: First-aid measures**Description of first aid measures****First-aid measures general**

- : Get medical advice/attention if you feel unwell.

First-aid measures after inhalation

- : If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

First-aid measures after skin contact

- : If on skin: Flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water.

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First-aid measures after eye contact	: If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention. Remove contact lenses if easy to do.
First-aid measures after ingestion	: If swallowed: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause moderate irritation. Excessive exposure may irritate: Mucous membranes or around eyes. nose. Symptoms include: Irritation to throat and respiratory system. dizziness, headaches, nausea.
Symptoms/effects after skin contact	: May cause mild irritation. Prolonged or repeated exposure may cause: drying. irritation (itching, redness, blistering). Burns.
Symptoms/effects after eye contact	: May cause severe irritation. May cause discomfort. redness. pain. corneal damage.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Immediate medical attention and special treatment, if necessary	: No specific antidote known. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Maintain adequate ventilation and oxygenation of the patient. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress.

SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media	: Water fog. Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂).
Unsuitable extinguishing media	: Do not use a heavy water stream.

Specific hazards arising from the chemical

Fire hazard	: No direct fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products	: Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Nitrogen oxides. Sodium oxide. Sulfur oxides (SO _x).
Firefighting instructions	: Evacuate personnel to a safe area. Do not enter fire area without proper protective equipment, including respiratory protection. Stay upwind/keep distance from source. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. NIOSH-Approved self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Do not exceed the occupational exposure limits (OEL).
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate spillage area.

Environmental precautions

Environmental precautions	: Avoid release to the environment. Notify authorities if product enters sewers or public waters.
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Methods and material for containment and cleaning up

For containment	: Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
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- Methods for cleaning up : Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal.
- Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

Precautions for safe handling

- Additional hazards when processed : Handle in accordance with good industrial hygiene and safety practice.
- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and clothing. Do NOT taste or swallow.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Keep cool. Protect from sunlight. Store in a dry place. Store in a closed container.
- Incompatible materials : Keep away from incompatibles. Refer to Section 10 on Incompatible Materials.
- Storage temperature : 5 – 50 °C
- Packaging materials : Do not store in unlabeled or mislabeled containers. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

Control parameters

Component	ACGIH	OSHA
SODIUM XYLENE SULFONATE	No data available	No data available
ALCOHOL ETHOXYLATE	No data available	No data available
TETRASODIUM EDTA	No data available	No data available

Appropriate engineering controls

- Appropriate engineering controls : General room ventilation is required. Local exhaust ventilation is recommended when vapors, mists, or dusts can be released. Maintain adequate ventilation. Avoid creating dust or mist. Do not use in closed or confined spaces. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.
- Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment

- Personal protective equipment : Wear recommended personal protective equipment. Provide readily accessible eye wash stations and safety showers.
- Hand protection : Protective gloves. Chemical-resistant. Impervious.
- Eye protection : Wear chemical safety goggles while handling this product. Wear additional eye protection such as chemical safety goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Wear a full-face respirator, if needed.
- Skin and body protection : Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Chemical resistant safety shoes
- Respiratory protection : Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If exposure limits are exceeded or respiratory irritation is experienced, wear: NIOSH-Approved air-purifying respirator with: Organic vapor cartridge. NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

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Other information

: Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking. Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: Medium Blue.
Odor	: Mild surfactant.
Odor threshold	: No data available
pH	: 8
Melting point	: No data available
Freezing point	: $\approx 0^{\circ}\text{C}$
Crystallization (Salt Out) Temperature	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.02 @ 25 °C
Solubility	: Complete.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

SECTION 10: Stability and reactivity

Information on stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Do not freeze.
Incompatible materials	: strong oxidizing agents. strong acids. strong bases.
Hazardous decomposition products	: Carbon oxides (CO, CO ₂). Nitrogen oxides. Sodium oxide. Sulfur oxides (SO _x).

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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Numerical measures of toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50
SODIUM XYLENE SULFONATE	Rat: 1000 mg/kg	Rabbit: > 2000 mg/kg	No data available
ALCOHOL ETHOXYLATE	No data available	No data available	No data available
TETRASODIUM EDTA	Rat: 1658 mg/kg	No data available	No data available

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Likely routes of exposure	: Skin and eye contact. Ingestion. Inhalation.
Symptoms/effects after inhalation	: May cause moderate irritation. Excessive exposure may irritate: Mucous membranes or around eyes. nose. Symptoms include: Irritation to throat and respiratory system. dizziness, headaches, nausea.
Symptoms/effects after skin contact	: May cause mild irritation. Prolonged or repeated exposure may cause: drying. irritation (itching, redness, blistering). Burns.
Symptoms/effects after eye contact	: May cause severe irritation. May cause discomfort. redness. pain. corneal damage.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Medical Conditions Aggravated by Exposure	: Eye disorders. Dermatitis. Skin disorders. Respiratory system disorders.
Other information	: No additional information available

SECTION 12: Ecological information**Toxicity****TRITON BLUE NO. 347 (MIXTURE)**

LC50 - Fish [1]	25.2 mg/l P. promelas (fathead minnow)
EC50 - Crustacea [1]	35.4 mg/l C. dubia
NOEC chronic fish	6.25 mg/l P. promelas (fathead minnow)
NOEC chronic crustacea	6.25 mg/l C. dubia

Persistence and degradability

No additional information available

SECTION 13: Disposal considerations**Disposal methods**

Waste treatment methods	: Dispose of in accordance with all local, state and federal regulations.
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Additional information

: Do not re-use empty containers. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Since emptied containers retain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport information

Modes of transport

DOT (Department of Transportation):

Not regulated by the DOT.

IMDG (International Maritime Dangerous Goods Code):

Not regulated by the IMDG.

IATA (International Air Transport Association):

Not regulated by the IATA.

Other transport information

No additional information available

SECTION 15: Regulatory information

US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory or are exempt from TSCA Inventory requirements.

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.

US State regulations

No additional information available

SECTION 16: Other information

Hazard Rating System

Health:	2
Flammability:	1
Physical:	0

NFPA Rating System

NFPA health hazard:	2
NFPA fire hazard:	1
NFPA reactivity:	0

Abbreviations and acronyms

HAP	Hazardous Air Pollutant
VOC	Volatile Organic Compound
STEL	Short Term Exposure Limit

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Abbreviations and acronyms	
TWA	Total Average Weight
RQ	Reportable Quantity

Supersedes: 7/10/2024
Issue date: 11/12/2024
Indication of changes: New product.
SDS Prepared by: EP

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