

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078024414

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078582134 078582142

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

078024422



**MSDS**

## Material Safety Data Sheet

### 1. PRODUCT and COMPANY IDENTIFICATION

**Product:** Dip Quick Stain Set

**Product Code(s):** J-322

**Synonyms:** Mixture

**Manufacturer:** Jorgensen Laboratories, Inc.  
1450 North Van Buren Avenue, Loveland, CO 80538  
Ph: (970)669-2500 Fax: (970)663-5042

**IN CASE OF EMERGENCY  
24 HOUR CONTACT TELEPHONE  
CHEM-TEL: (800)255-3924**

All non-emergency questions may be directed to  
customer service (970)669-2500

### 2. COMPOSITION and INFORMATION on HAZARDOUS INGREDIENTS

**J-322-1 (#1 – Fixative):**

<u>Ingredients</u>	<u>Weight</u>	<u>CAS#</u>	<u>Formula</u> <u>Formula</u>	<u>Weight</u>	<u>% by</u> <u>Hazardous</u>
Methanol	>99.9	67-56-1	CH <sub>3</sub> OH	32.04	Yes

**J-322-2 (#2 – Eosin) & J-322-3 (#3 – Thiazine):**

<u>Ingredients</u>	<u>Weight</u>	<u>CAS#</u>	<u>Formula</u> <u>Formula</u>	<u>Weight</u>	<u>% by</u> <u>Hazardous</u>
Sodium Azide	26628-22-8	NaN <sub>3</sub>	65.0	Yes (Raw Material, See Sec 14)	0.01%

### 3. HAZARDS IDENTIFICATION

**J-322-1 (#1 – Fixative):**

**POISON! DANGER! FLAMMABLE! CONTAINS METHANOL! VAPOR HARMFUL. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CANNOT BE MADE NONPOISONOUS. FLAMMABLE LIQUID AND VAPOR. CAUSES IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM. LIVER AND KIDNEYS.**

**SAFETY RATINGS:** Health: 3, Severe Reactivity: 1, Slight  
Flammability: 3, Severe (Flammable) Contact: 3, Severe

**Protective Equipment:** Chemical Safety Glasses/Goggles, Lab Coat/Apron, Gloves, Local/General Ventilation

**Storage Code:** Red: Flammable

**J-322-2 (#2 – Eosin) & J-322-3 (#3 – Thiazine):**

**WARNING! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. CONTAINS 0.01% SODIUM AZIDE. SODIUM AZIDE MAY REACT WITH LEAD AND COPPER PLUMBING TO FORM EXPLOSIVE METAL AZIDES.**

**SAFETY RATINGS:** Health: 2, Moderate Reactivity: 1, Slight  
Flammability: 0, None Contact: 1, Slight

**Protective Equipment:** Chemical Safety Glasses/Goggles, Lab Coat/Apron, Gloves, Local/General Ventilation

**Storage Code:** Green: General

**Potential Health Effects:**

**J-322-1 (#1 – Fixative):**

**INHALATION:**

A slight irritant to the mucous membranes. Toxic effects exerted upon nervous system, particularly the optic nerve. Once absorbed into the body, it is very slowly eliminated. Symptoms of overexposure may include headache, drowsiness, nausea, vomiting, blurred vision, blindness, coma, and death. A person may get better but then worse again up to 30 hours later.

**INGESTION:**

Toxic! Methyl Alcohol can intoxicate and cause blindness. Usual fatal dose: 100 - 125 milliliters of Methanol. Toxic effects exerted upon nervous system, particularly the optic nerve. Once absorbed into the body, it is very slowly eliminated. Symptoms of overexposure may include headache, drowsiness, nausea, vomiting, blurred vision, blindness, coma, and death.

**SKIN CONTACT:**

Methyl Alcohol is a defatting agent and may cause skin to become dry and cracked. Skin absorption can occur, symptoms may parallel ingestion exposure.

**EYE CONTACT:**

Can cause irritation. Splashes may cause temporary pain and blurred vision. Continued exposure may cause eye lesions.

**POTENTIAL CHRONIC HEALTH EFFECTS:**

Conjunctiva. May cause central nervous system disorder and/or damage. Repeated or prolonged exposure to the substance can produce target organs damage. Marked impairment of vision and enlargement of the liver have been reported. Repeated or prolonged exposure may cause skin irritation.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED by EXPOSURE:**

Persons with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of the substance.

**J-322-2 (#2 – Eosin) & J-322-3 (#3 – Thiazine):****INHALATION:**

May cause irritation.

**INGESTION:**

May be harmful or fatal. May cause nausea, vomiting, diarrhea and possible damage to kidneys and thyroid.

**SKIN CONTACT:**

May cause irritation.

**EYE CONTACT:**

May cause irritation.

**POTENTIAL CHRONIC HEALTH EFFECTS:**

No information found.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED by EXPOSURE:**

No information found.

## 4. FIRST AID MEASURES

**J-322-1 (#1 – Fixative):****INHALATION:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms occur, get medical attention.

**INGESTION:**

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**SKIN CONTACT:**

Wash with mild soap and water while removing contaminated clothing. If irritation develops, get medical attention.

**EYE CONTACT:**

Check for and remove contact lenses. Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops, get medical attention.

**J-322-2 (#2 – Eosin) & J-322-3 (#3 – Thiazine):****INHALATION:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. If symptoms occur, get medical attention.

**INGESTION:**

Give several glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**SKIN CONTACT:**

Wash with mild soap and water while removing contaminated clothing. If irritation develops, get medical attention.

**EYE CONTACT:**

Check for and remove contact lenses. Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops, get medical attention.

## 5. FIRE FIGHTING MEASURES

**J-322-1 (#1 – Fixative) Methanol:**

**NFPA RATINGS:** Health: 1 Flammability: 3 Reactivity: 0

**FIRE:**

Flash point: 12°C (54°F) CC

Autoignition temperature: 464°C (867°F)

Flammable limits in air % by volume: lel: 6.0, uel: 36

Flammable Liquid and Vapor!

**EXPLOSION:**

Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Moderate explosion hazard and dangerous fire hazard when exposed to heat, sparks or flames. Sensitive to static discharge.

**FIRE EXTINGUISHING MEDIA:**

Use water, alcohol foam, dry chemical or carbon dioxide.

**SPECIAL INFORMATION:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire. Vapors can flow along surfaces to distant ignition source and flash back.

## 6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area of leak or spill. Isolate hazard area and keep unnecessary and unprotected personnel away from the area of the leak or spill. Wear appropriate personal protective equipment as specified in the Exposure Control and Personal Protection Section 8. Use non sparking tools and equipment. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e.g. vermiculite, dry sand, earth), and place in a suitable container for reclamation or disposal. Do not use combustible materials, such as sawdust. Do not flush to sewer. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800)424-8802.

## 7. HANDLING and STORAGE

Store in a cool, dry, ventilated area away from flame, sources of ignition, heat and incompatible materials. Keep containers tightly closed and upright. Protect from physical damage. Keep out of direct sunlight and separate from incompatible materials. Use non sparking tools and equipment including explosion proof ventilation. When opening metal containers use non-sparking tools because flammable vapors may be present. Containers should be bonded and grounded for transfers to avoid static sparks. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquids); observe all warnings and precautions listed for the product. Storage and use areas should be non-smoking. Wash thoroughly after handling.

## 8. EXPOSURE CONTROL and PERSON PROTECTION

### J-322-1 (#1 – Fixative) Methanol:

#### EXPOSURE LIMITS:

OSHA: PEL: 200 ppm STEL: 250 ppm TWA: 200 ppm  
ACGIH STEL: 250 ppm TWA: 200 ppm

#### VENTILATION SYSTEM:

A system of local and/or general ventilation is recommended to keep employee exposure below airborne limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion into the general work area.

#### PERSONAL RESPIRATORS (NIOSH) APPROVED:

If the exposure limit is exceeded and engineering controls are not feasible, wear an appropriate respirator with cartridge for the hazardous material being handled. All respirators should be approved and certified. For emergencies or instances where the exposure levels are not known, use a full face piece positive pressure, air supplied respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen deficient atmospheres. This substance has poor warning properties.

#### SKIN PROTECTION:

Wear protective clothing, gloves, lab coat or apron, as appropriate, to prevent skin contact.

#### EYE PROTECTION:

Use chemical safety glasses/goggles and/or a full face shield where splashing is possible. Maintain approved eye wash station in work area.

## 9. PHYSICAL and CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	<b>#1, Fixative:</b>	Clear green liquid
	<b>#2, Eosin:</b>	Dark red liquid
	<b>#3, Thiazine:</b>	Dark blue liquid
<b>ODOR:</b>	<b>#1, Fixative:</b>	Characteristic Odor
	<b>#2, Eosin &amp; #3, Thiazine:</b>	Odorless
<b>SOLUBILITY:</b>		Miscible with water (All)
<b>SPECIFIC GRAVITY:</b>		No information found
<b>pH:</b>		No information found
<b>% VOLATILES by VOLUME:</b>		No information found
<b>BOILING POINT:</b>		No information found
<b>MELTING POINT:</b>		No information found
<b>VAPOR DENSITY (Air =1):</b>		No information found
<b>VAPOR PRESSURE (mm Hg):</b>		No information found
<b>EVAPORATION RATE (BuAc=1):</b>		No information found

## 10. STABILITY and REACTIVITY

### J-322-1 (#1 – Fixative):

#### STABILITY:

Stable under ordinary conditions of use and storage.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon dioxide, carbon monoxide and formaldehyde may form when heated to decomposition.

#### HAZARDOUS POLYMERIZATION:

Will not occur.

**INCOMPATIBILITIES:**

Strong oxidizing agents such as nitrates, perchlorates or sulfuric acid. Will attack some forms of plastics, rubber, and coatings. May react with metals to generate flammable hydrogen gas.

**CONDITIONS to AVOID:**

Heat, flames, ignition sources and incompatibles.

**J-322-2 (#2 – Eosin) & J-322-3 (#3 – Thiazine):****STABILITY:**

Stable under ordinary conditions of use and storage.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

No information found.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**INCOMPATIBILITIES:**

No information found.

**CONDITIONS to AVOID:**

Heat, flames, ignition sources and incompatibles.

**11. TOXICOLOGICAL INFORMATION****J-322-1 (#1 – Fixative) Methanol:**

Oral rat LD50: 5628 mg/kg  
Inhalation rat LC50: 64000 ppm/4H  
Skin rabbit LD50: 15800 mg/kg

Irritation Data, Standard Draize: Skin rabbit: 20mg/24hr (moderate)  
Eye rabbit: 100 mg/24hr (moderate)

Investigated as a tumorigen, mutagen and reproductive effector.

Cancer Lists

-----NTP Carcinogen-----

Ingredient	Known	Anticipated	IARC Category
Methanol (67-56-1)	No	No	None

**12. ECOLOGICAL INFORMATION****J-322-1 (#1 – Fixative) Methanol:****ENVIRONMENTAL FATE:**

When released into the soil, this material may leach into ground water; it is expected to readily biodegrade and quickly evaporates. When released into water, this material is expected to have a half-life between 1 - 10 days. When released into the air, this material is expected to be readily degraded by reaction with photo chemically produced hydroxyl radicals; it is expected to have a half-life between 10 and 30 days. This material is expected to be readily removed from the atmosphere by wet deposition.

**ENVIRONMENTAL TOXICITY:**

This material is expected to be slightly toxic to aquatic life.

**13. DISPOSAL INFORMATION**

Whatever cannot be saved for recovery or recycling should be handled as potentially hazardous waste and disposed of or incinerated at an approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**14. TRANSPORT INFORMATION****J-322-1 (#1 – Fixative):****DOT (Land):**

UN1230, Methanol, 3, PG II ERG# 131

**IATA (Air):**

UN1230, Methanol, 3, (6.1), PG II

**IMDG (Sea):**

UN1230, Methanol, 3, PG II ERG: 131

**J-322-2 (#2 – Eosin) & J-322-3 (#3 – Thiazine):****DOT (Land), IATA (Air), IMDG (Sea):**

Not regulated.

## 15. REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS:** Component #1 - Fixative (Methanol) is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Component #1 – Fixative (Methanol) is on the U.S. EPA TSCA Inventory List.

### US EPCRA (SARA Title III) Sections 311/312:

Hazard Categories	Methanol (#1 – Fixative)	#2, #3, Stains
Section 311 – Hazardous Chemical	Yes	No
Immediate Hazard	Yes	No
Delayed Hazard	Yes	No
Fire Hazard	Yes	No
Pressure Hazard	No	No
Reactivity Hazard	No	No

**US EPCRA (SARA Title III) Section 313 – Toxics Release Inventory:** Methyl Alcohol (67-56-1)

**CERCLA (Superfund) Reportable Quantity:** Methyl Alcohol (67-56-1): 5000 lbs

**CLEAN AIR ACT (CAA):** HAPS list

### INVENTORY STATUS:

Country(s) or Region	Inventory Name	Methanol (#1 – Fixative) On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
US & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that the listed component(s) of this product comply with the inventory requirements administered by the governing country(s)

### STATE REGULATIONS:

This product contains 0.01% of Sodium Azide which is known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. OTHER INFORMATION

### PRODUCT USE:

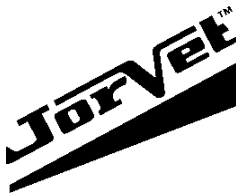
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REVIEWED 18/2012



**SDS**

## Safety Data Sheet

### 1. IDENTIFICATION

**Product Identifier:** DipQuick Stain #2 – Stain Solution

**Product Code(s):** J03222, J0322A2

**Synonyms:** Mixture.

**Recommended Use:** For invitro veterinary use only.

**Uses Advised Against:** Not for use on humans.

**Supplier:** Jorgensen Laboratories  
1450 Van Buren Avenue, Loveland, CO 80538  
Phone: (970) 669-2500 or (800) 525-5614 Fax: (970) 663-5042

**Emergency Phone Number:** U.S. and Canada: (800) 535-5053 International: (352) 323-3500 (INFOTRAC)

### 2. HAZARDS IDENTIFICATION

**Hazard Classifications:** This product is classified as not hazardous under OSHA's Hazard Communication Standard, 29 CFR 1910.1200 (HCS) and the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals (GHS). However, all chemicals handled and used in the workplace should be treated with caution.

**Signal Word:** Not applicable.

**Hazard Statements:** Not applicable.

**Pictograms:** Not applicable.

**Precautionary Statements:**

- Prevention:** Not applicable.
- Response:** Not applicable.
- Storage:** Not applicable.
- Disposal:** Flush with large volumes of water to prevent azide buildup.

**Hazards Not Otherwise Classified:** This product contains 0.01% sodium azide, which may react with lead and copper plumbing to form explosive metal azides.

**Toxicity Statement:** Not applicable.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	Common Name / Synonyms	CAS#	Chemical Formula	% by Weight
Water	Water	7732-18-5	H <sub>2</sub> O	98.9
Sodium Azide	Hydrozoic Acid, Sodium Salt	26628-22-8	NaN <sub>3</sub>	0.01
Nonhazardous ingredients	Trade Secret	N/A	N/A	<1.1

**Trade Secret Statement:** The identifiers and concentrations of the “nonhazardous ingredients” have been withheld under a trade secret. These components are either nonhazardous or are present at sufficiently low concentrations such that they do not affect the hazard classification of this product.

### 4. FIRST AID MEASURES

#### First Aid Procedures:

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately if you feel unwell or are concerned.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head low so that vomit does not enter lungs. Never give anything by mouth to an unconscious person. Call a physician or poison control center if symptoms occur.

**Skin Contact:** Remove contaminated clothing and shoes. Wash skin with plenty of water for at least 15 minutes. Wash clothing before reuse. Get medical attention if symptoms occur.

**Eye Contact:** Check for and remove contact lenses if present and easy to do. Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention if symptoms occur.

**General Advice:** Ensure that medical personnel and those providing first aid are aware of the material(s) involved and take precautions to protect themselves.

**Symptoms and Effects:** May cause irritation to eyes, skin, respiratory tract, and gastrointestinal tract. Ingestion may cause nausea, vomiting, diarrhea, abdominal pain, and nervous system effects.

**Immediate Medical Care/  
Special Treatment:** If you feel unwell or are concerned, call a physician or poison control center immediately. Treat symptomatically.

### 5. FIREFIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray, dry powder, alcohol resistant foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Do not use a solid (straight) water stream, as it may scatter and spread fire.

**Hazardous Combustion Products:** Carbon oxides, nitrogen oxides, sodium oxides, potassium oxides, phosphorus compounds, toxic fumes.

**Specific Hazards:** Excessive thermal conditions may cause decomposition and yield hazardous decomposition products listed above.

**Special Protective Equipment/  
Precautions for Firefighters:** As in any fire, wear MSHA/NIOSH-approved (or equivalent), self-contained, positive-pressure or pressure-demand breathing apparatus and full protective gear. In the event of fire and/or explosion, do not breathe fumes.



## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions and Protective Equipment:</b>	Isolate hazard area and keep unnecessary and unprotected personnel away from the area of the leak or spill. Wear appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin, and clothing.
<b>Emergency Procedures:</b>	In case of chemical emergency, or if unsure how to address an accidental release, consult a professional (see Section 1).
<b>Methods for Containment:</b>	Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements, or confined areas. Dike the spilled material, where this is possible. Product should not be released to the environment. Contain and recover liquid when possible.
<b>Methods for Cleanup:</b>	Absorb spill with an inert material (e.g. vermiculite, dry sand, earth, cloth, or fleece) and place in a noncombustible container for reclamation or disposal. Do not flush to sewer. Clean contaminated surface thoroughly. Spills can be dissolved with alcohol or acetone solution. Never return spills in original containers for reuse. Clean up in accordance with all applicable regulations.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with skin, eyes, and clothing. Do not breathe vapors or spray mist. Do not ingest. When using, do not eat, drink, or smoke. Keep away from incompatible materials (see Section 10). Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Containers of this material may be hazardous when empty, as they retain product residues. Observe all warnings and precautions listed for this product.
<b>Storage:</b>	Store in a cool, dry, ventilated area. Limit exposure to light. Store in a segregated and approved area away from incompatible materials (see Section 10). Store in original container. Keep containers tightly closed and upright. Keep away from food, drink, and animal foodstuffs. Keep out of the reach of children. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of this product.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits:</b>	Water:	No information found.
	Nonhazardous Ingredients:	No information found.
	Sodium Azide:	ACGIH: TLV: 0.29 mg/m <sup>3</sup> OSHA: PEL: 0.1 ppm NIOSH: CEIL: 0.3 mg/m <sup>3</sup>
<b>Engineering Controls:</b>	Ensure adequate ventilation. 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. If exposure limits have not been established, maintain airborne levels to an acceptable level.	
<b>Personal Protective Measures:</b>		
<b>Eye/Face Protection:</b>	Wear safety glasses with side shields or safety goggles. Wear a face shield. Maintain approved eye wash station and accessible rinse facilities in work area.	
<b>Skin Protection:</b>	Wear appropriate chemical resistant clothing (with long sleeves) and appropriate chemical resistant gloves.	

**Respiratory Protection:** An air-purifying, NIOSH-approved respirator with appropriate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Use a positive-pressure, air-supplied respirator if there is any potential for an uncontrolled release, if exposure levels are unknown, or if any other circumstances exist where air-purifying respirators may not provide adequate protection.

**Specific Requirements for Personal Protective Equipment:**

Ensure that glove material is compatible with this product. This information is available from glove manufacturers.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

*Unless otherwise indicated, all properties are given at 25 °C and standard pressure.*

<b>Appearance:</b>	Red, opaque liquid.
<b>Odor:</b>	Not applicable.
<b>Odor Threshold:</b>	No information found.
<b>Formula Weight:</b>	Mixture.
<b>pH:</b>	6.7
<b>Melting/Freezing Point:</b>	< 0 °C
<b>Boiling Point/Range:</b>	> 100 °C
<b>Decomposition Temperature:</b>	No information found.
<b>Flash Point:</b>	Not applicable.
<b>Auto-ignition Temperature:</b>	Not applicable.
<b>Flammability:</b>	Not flammable or explosive.
<b>Flammability/Explosive Limits:</b>	Not applicable.
<b>Solubility:</b>	Miscible with water.
<b>Vapor Pressure:</b>	No information found.
<b>Vapor Density:</b>	No information found.
<b>Specific Gravity:</b>	1.01 (Water = 1)
<b>Evaporation Rate:</b>	No information found.
<b>Viscosity:</b>	No information found.
<b>Partition Coefficient (n-octanol/water):</b>	No information found.

## 10. STABILITY AND REACTIVITY

<b>Reactivity Data:</b>	No information found.
<b>Chemical Stability:</b>	Stable under normal conditions. Sensitive to air.
<b>Conditions to Avoid:</b>	Heat, incompatible materials.
<b>Incompatible Materials:</b>	Oxidizing agents, acids, bases.
<b>Hazardous Decomposition Products:</b>	Carbon oxides, nitrogen oxides, sodium oxides, potassium oxides, phosphorus compounds, toxic fumes.

**Possibility of Hazardous Reactions:** May react vigorously or violently if exposed to extreme thermal conditions or if contacted with the incompatible materials listed above.

**Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Routes of Exposure:** Inhalation, ingestion, skin contact, eye contact.

**Acute Effects:** May be harmful if swallowed. May cause irritation to the eyes, skin, respiratory tract, and gastrointestinal tract. May affect the nervous system.

**Chronic Effects:** Prolonged or repeated exposure may affect the liver, kidneys, cardiovascular system, and nervous system. May cause mutagenic effects.

**Toxicological Data:**

Water:	Not applicable.
Nonhazardous Ingredients:	No information found.
Sodium Azide:	LD <sub>50</sub> Oral, Mouse: 27 mg/kg LD <sub>50</sub> Dermal, Rabbit: 20 mg/kg May be mutagenic based on animal data.

**Symptoms of Exposure:** Irritation, nausea, vomiting, diarrhea, abdominal pain, nervous system effects.

**Carcinogenic Effects:** No component of this product is considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological Data:**

Water:	Not applicable.
Nonhazardous Ingredients:	No information found.
Sodium Azide:	No information found.

**Persistence and Degradability:** May not be readily biodegradable.

**Environmental Effects:** Not expected to be hazardous to the environment. However, the possibility of an environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## 13. DISPOSAL INFORMATION

**Disposal Instructions:** All wastes must be handled in accordance with local, state, and federal regulations. Minimize exposure to product waste (see Section 8).

**Contaminated Packaging:** Because emptied containers retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

**Waste Codes:** No information found.

## 14. TRANSPORT INFORMATION

**DOT:** Not regulated.

**IATA:** Not regulated.

**Environmental Hazard Regulations:** No information found.

**Other Transport Precautions:** No information found.

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations:

**OSHA:** This product is not considered a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Inventory:** All components of this product are on the U.S. TSCA Inventory.

### U.S. EPCRA (SARA Title III):

**Section 302:** Extremely hazardous substance: Sodium Azide

#### Sections 311/312:

Hazard Category	List (Yes/No)
Section 311 – Hazardous Chemical	No
Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

**Section 313:** Sodium Azide

**CERCLA Reportable Quantities:** Sodium Azide: 1000 lb

**Canada WHMIS:** This SDS is prepared in compliance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Therefore, it complies with the 2015 Workplace Hazardous Materials Information System (WHMIS) as well.

### International Inventories:

Country or Region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

\*A "Yes" indicates that the listed components of this product comply with the inventory requirements administered by the governing country or region.

## 16. OTHER INFORMATION

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**Reason for Revision:** Updated section 14 to include IATA shipping information.