

SAFETY DATA SHEETS

This SDS packet was issued with item:

078225461

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

078071435 078071443 078071450 078071484 078071500 078071617 078071625 078077955 078080012 078086822
078086830 078086855 078086871 078086905 078086988 078089814 078089871 078092094 078092334 078095615
078099540 078102410 078102428 078104295 078104337 078105139 078105162 078107014 078109303 078109352
078111278 078116286 078125723 078130060 078132102 078133466 078135987 078141952 078151035 078162604
078162943 078176108 078192254 078194577 078244659 078247147 078247287 078247337 078250765 078301383
078305888 078321043 078321050 078321936 078325167 078326951 078342041 078356511 078356529 078356578
078356883 078359354 078359362 078359545 078359552 078359560 078359578 078359594 078362858 078373709
078397186 078397194 078397202 078397210 078406635 078435632 078442383 078443706 078443805 078443961
078443979 078443987 078443995 078446300 078446581 078447003 078452044 078452721 078454606 078454622
078454648 078454705 078454721 078467654 078467845 078472349 078472570 078475570 078477653 078479026
078480132 078480140 078480157 078480165 078480173 078481702 078482611 078484041 078484058 078484066
078484082 078487363 078488983 078490867 078493370 078493388 078494743 078497651 078498099 078498107
078498495 078498958 078502074 078503694 078503702 078504546 078539832 078543088 078545062 078548187
078551764 078552806 078556194 078556202 078556970 078556988 078556996 078557574 078559848 078560367
078561565 078562870 078562888 078562995 078563003 078563011 078567888 078570242 078570697 078571440
078571457 078571465 078576648 078576655 078576853 078576861 078577671 078579796 078579804 078579812
078579820 078580373 078582829 078583415 078585076 078595356 078595364 078595372 078596505 078604771
078604896 078659859 078659867 078668890 078668908 078668909 078668916 078668940 078669239 078669247
078669254 078669270 078669288 078669296 078669304 078669312 078669320 078669338 078669403 078669411
078669445 078669452 078669460 078669478 078669486 078669494 078669502 078669510 078669528 078669536
078669544 078669551 078670311 078670329 078670501 078670519 078670527 078670535 078670543 078670550
078670568 078670816 078670824 078670832 078670840 078670857 078670865 078670873 078670881 078670899
078670907 078670915 078670923 078670931 078670949 078670956 078672394 078672634 078675436 078675477
078677493 078677501 078677519 078677527 078678196 078680344 078698723 078699855 078702345 078702352
078703279 078708501 078719203 078719211 078719229 078760554 078769992 078795726 078803059 078816694
078817389 078817900 078831429 078844956 078847220 078847238 078855179 078855393 078878565 078879136

078881382 078884556 078885978 078886259 078886994 078887184 078890530 078890548 078890555 078904774
078905552 078905716 078905741 078906567 078906639 078906646 078907419 078907420 078907541 078907884
078908042 078909639 078910235 078914109 078914110 078914111 078914112 078914113 078914114 078915736
078917253 078917471 078918529 078918992 078920158 078920226 078920307 078920394 078920566 078920567
078920568 078926251 078926252 078926317 078926318 078926319 078926320 078926321 078926322 078926323

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).

078013175 078072401 078072435 078072443 078072716 078072724 078079591 078079740 078080277 078080889
078081640 078081673 078081798 078082210 078082491 078086814 078086897 078086913 078086939 078086996
078087012 078088293 078088327 078088459 078088566 078088707 078088814 078092177 078094565 078129301
078135821 078141788 078148192 078148911 078179785 078253146 078325159 078341074 078342033 078354073
078356503 078356867 078356875 078359586 078362841 078373717 078373725 078376162 078391665 078399335
078447441 078468886 078468894 078491503 078584506 078584787 078588753 078834916 078834924 078849931
078863178 078877698 078880184 078880192 078880200 078882754 078882762 078882887 078887838 078890936
078905889 078906597 078907787 078912668



March 1, 2017

To whom it may concern:

This letter is to inform you that none of the Vetri-Science Laboratories nutritional supplements require a Material Safety Data Sheet (MSDS). These products are not considered hazardous, nor do they contain any hazardous materials.

Both Vetri-Repel Spray and Vetri-Repel Wipes do have a MSDS. These are topical products for which the MSDS can be provided upon written request.

Please retain this letter for your files.

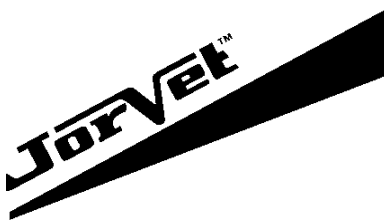
Sincerely,

Sara Phillips
Vice President, Sales and Marketing,
Domestic Pet Business

**SUPERIOR INGREDIENTS
FOR PURE HEALTH.**

**www.vetriscience.com
1.800.882.9993**

**929 Harvest Lane
Williston, VT 05495**

**SDS**

Safety Data Sheet

1. IDENTIFICATION

Product Identifier: Kinyoun Carbol Fuchsin

Product Code(s): J0326ASD1

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:

Acute Toxicity – Inhalation:	Category 4
Skin Corrosion/Irritation:	Category 1B
Eye Damage/Irritation:	Category 1
Germ Cell Mutagenicity:	Category 2
Specific Target Organ Toxicity (Repeated Exposure):	Category 2
Flammable Liquids:	Category 3

Signal Word: DANGER

Hazard Statements:

- Harmful if inhaled.
- Causes severe skin burns and serious eye damage.
- Suspected of causing genetic defects.
- May cause damage to organs through prolonged or repeated exposure.
- Flammable liquid and vapor.

Pictograms:



Precautionary Statements:

Prevention: Do not breathe fumes, mists, vapors, or spray.

Use only outdoors or in a well-ventilated area.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protection, and face protection.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames, and hot surfaces. – No smoking.
Keep container tightly closed.
Ground container and receiving equipment.
Use explosion-proof electrical, ventilating, lighting, and transportation equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.

Response: Immediately call a poison center or doctor.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If swallowed: Rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
Wash contaminated clothing before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical attention.
In case of fire: Use water spray, dry powder, alcohol resistant foam, or carbon dioxide to extinguish.

Storage: Store locked up.
Store in a well-ventilated place. Keep cool.

Disposal: Disposal of contents and container in accordance with local, regional, national, and international regulations.

Hazards Not Otherwise Classified: Hazardous to aquatic life with long-lasting effects. Avoid release to the environment.

Toxicity Statement: This product contains >1% ingredients whose acute toxicity is unknown.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	Common Name / Synonyms	CAS#	Chemical Formula	% by Weight
Water	Water	7732-18-5	H ₂ O	65 – 84
Ethanol	Ethyl Alcohol	64-17-5	C ₂ H ₅ OH	10 – 20
Phenol	Hydroxybenzene	108-95-2	C ₆ H ₆ O	5 – 10
Basic Fuchsin	Basic Red 9	569-61-9	C ₁₉ H ₁₇ N ₃ • HCl	1 – 5

Trade Secret Statement: Not applicable.

4. FIRST AID MEASURES

First Aid Procedures:

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious, or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediately call a poison center or doctor.

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. Immediately call a poison center or doctor.
Skin Contact:	Remove contaminated clothing and shoes. Wash skin with plenty of water for at least 15 minutes. Wash clothing before reuse. Immediately call a poison center or doctor.
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. Immediately call a poison center or doctor.
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:	Irritation, burns, dermatitis, nausea, vomiting, diarrhea, abdominal pain, coughing, shortness of breath, nervous system effects, circulatory collapse, tachypnea, convulsions, necrosis, jaundice, respiratory failure, narcosis. Harmful if swallowed. May cause irritation or burns to the eyes, skin, respiratory tract, and gastrointestinal tract. May affect the nervous system, respiratory system, and circulatory system. Prolonged or repeated exposure may cause damage to the kidneys, liver, bladder, brain, endocrine system, and immune system.
Immediate Medical Care/ Special Treatment:	Immediately call a poison center or doctor. 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, toxic fumes.
Specific Hazards:	Flammable. Vapors may cause flash fire or ignite explosively. Burns if ignited by heat, sparks, or flames. Material may burn with an invisible flame. Sealed containers may explode when heated or involved in fire. Material is sensitive to static discharge. Vapors may travel considerable distance to source of ignition and flash back. Vapor from the solvent may accumulate in container headspace, resulting in flammability hazard.
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. Use water spray to cool unopened containers. Move containers from fire area, if you can do so without risk. This material may evaporate and leave a flammable residue if spilled. In the event of fire and/or explosion, do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment:	Ventilate area of leak or spill. Isolate hazard area and keep unnecessary and unprotected personnel away from the area of the leak or spill. Keep upwind. Keep out of low areas. Wear appropriate personal protective equipment (see Section 8). Remove all sources of ignition. Avoid contact with eyes, skin, and clothing.
Emergency Procedures:	In case of chemical emergency, or if unsure how to address an accidental release, consult a professional (see Section 1).

Methods for Containment:	Eliminate all sources of ignition. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements, or confined areas. Dike the spilled material where possible. Product should not be released to the environment. Contain and recover liquid when possible.
Methods for Cleanup:	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. Residues from 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

Handling:	Do not handle near open flame, sources of heat, or sources of ignition. Wear personal protective equipment (see Section 8). Use only in well-ventilated areas. 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.
Storage:	Store in a cool, dry, ventilated area. Store 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

Exposure Limits:	Water:	No information found.
	Ethanol:	ACGIH: STEL: 1000 ppm OSHA: PEL: 1000 ppm 1900 mg/m ³
	Phenol:	ACGIH: TLV: 5 mg/m ³ OSHA: PEL: 19 mg/m ³ NIOSH: CEIL: 60 mg/m ³
	Basic Fuchsin:	No information found.
Engineering Controls:	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.	
Personal Protective Measures:		
Eye/Face Protection:	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.	
Skin Protection:	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.

Appearance:	Red, opaque liquid.
Odor:	Mild, phenolic.
Odor Threshold:	No information found.
Formula Weight:	Mixture.
pH:	No information found.
Melting/Freezing Point:	No information found.
Boiling Point/Range:	No information found.
Decomposition Temperature:	No information found.
Flash Point:	43.3 °C (estimated)
Auto-ignition Temperature:	Not applicable.
Flammability:	Flammable liquid and vapor.
Flammability/Explosive Limits:	No information found.
Solubility:	Miscible with water.
Vapor Pressure:	No information found.
Vapor Density:	No information found.
Specific Gravity:	0.990 (Water = 1)
Evaporation Rate:	No information found.
Viscosity:	No information found.
Partition Coefficient (n-octanol/water):	No information found.

10. STABILITY AND REACTIVITY

Reactivity Data:	Flammable. See Section 9.
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Heat, flames, sparks, incompatible materials.
Incompatible Materials:	Oxidizing agents, strong acids.
Hazardous Decomposition Products:	Carbon oxides, toxic fumes.
Possibility of Hazardous Reactions:	May react vigorously, violently, or explosively 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: Harmful if swallowed, inhaled, or absorbed through skin. May cause irritation or burns to the eyes, skin, respiratory tract, and gastrointestinal tract. May affect the respiratory system and circulatory system.

Chronic Effects: Prolonged or repeated exposure may cause damage to the kidneys, liver, bladder, brain, endocrine system, and immune system.

Toxicological Data:

Water:	Not applicable.		
Ethanol:	LD ₅₀ Oral, Rat:	7060 mg/kg	
	LC ₅₀ Inhalation, Rat:	124.7 mg/L 4 h	
Phenol:	LD ₅₀ Oral, Rat:	317 mg/kg	
	LD ₅₀ Dermal, Rabbit:	630 mg/kg	
	LD ₅₀ Inhalation, Rat:	0.316 mg/L 4 h	
	Causes severe skin and eye irritation based on animal data.		
	May cause mutagenic effects based on animal data.		
Basic Fuchsin:	No information found.		

Symptoms of Exposure: Irritation, burns, dermatitis, nausea, vomiting, diarrhea, abdominal pain, coughing, shortness of breath, nervous system effects, circulatory collapse, tachypnea, convulsions, necrosis, jaundice, respiratory failure, narcosis.

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

IARC: Phenol: 3 – Not classifiable as to its carcinogenicity to humans.

ACGIH: Phenol: A4 – Not classifiable as a human carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicological Data:

Water:	Not applicable.		
Ethanol:	EC ₅₀ , Water Flea (<i>Daphnia magna</i>):	7.7 mg/L 48 h	
	LC ₅₀ , Fathead Minnow (<i>Pimephales promelas</i>):	> 100 mg/L 96 h	
Phenol:	No information found.		
Basic Fuchsin:	No information found.		

Persistence and Degradability: May not be readily biodegradable.

Environmental Effects: Hazardous to aquatic life and groundwater resources with long-lasting effects. Avoid release to the environment.

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: D002: Waste Corrosive Material (pH \leq 2 or pH \geq 12.5 or corrosive to steel)

14. TRANSPORT INFORMATION

DOT:

UN Number: UN2924

Proper Shipping Name: Flammable liquids, corrosive (Ethanol, Phenol)

Hazard Class: 3, 8

Packing Group: III

ERG Number: 132

Environmental Hazard Regulations: No information found.

Other Transport Precautions: No information found.

15. REGULATORY INFORMATION

U.S. Federal Regulations:

OSHA: This product is 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: No information found.

Sections 311/312:

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

Section 313: Phenol: 1000 lb

CERCLA Reportable Quantities: No information found.

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**Disclaimer:**

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Issue Date:

October 6, 2016

Reason for Revision:

Update of Sections 8, 9, 11, 12, and 15 over 02/24/2015 version.