

Material Safety Data Sheet
Chromaview Van Geison

Section 1 - Chemical Product and Company Identification

MSDS Name:

Chromaview Van Geison

Catalog Numbers:

92956691

Synonyms:

None Known.

Company Identification:

Richard Allan Scientific
4481 Campus Drive
Kalamazoo, MI 49008

Company Phone Number:

800-522-7270

Emergency Phone Number:

800-424-9300

CHEMTREC Phone Number, US:

(800) 424-9300

CHEMTREC Phone Number, Europe:

(202) 483-7616

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent	EINECS/ ELINCS	Hazard Symbols	Risk Phrases
7732-18-5	Deionized Water	>98	231-791-2		
88-89-1	Picric acid	1.23	201-865-9		
3244-88-0	Acid fuchsin	<1.0	221-816-5		
78491-02-8	Diazolidinyl urea	<0.1	278-928-2		

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Amber liquid

Danger! Causes eye and skin burns. Causes digestive and respiratory tract burns.

Target Organs: Eyes, Skin, Mucous membranes

Potential Health Effects

Material Safety Data Sheet
Chromaview Van Geison

Eye:

Causes eye burns.

Skin:

Causes skin burns.

Ingestion:

Causes gastrointestinal tract burns. May cause perforation of the digestive tract.

Inhalation:

Causes chemical burns to the respiratory tract.

Chronic:

Chronic exposure may cause effects similar to those of acute exposure.

Section 4 - First Aid Measures

Eyes:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion:

If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Product is not expected to exhibit flammable characteristics.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature:

Not available

Explosion Limits:

Lower: Not available Upper: Not available

Flash Point:

Not available

Material Safety Data Sheet
Chromaview Van Geison

NFPA Rating:

(estimated) Health: 3; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Do not breathe dust, mist, or vapor. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use with adequate ventilation. Discard contaminated shoes. Use only with adequate ventilation.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name:	ACGIH	NIOSH	OSHA
Deionized Water	None listed	None listed	None listed
Picric acid	0.1 mg/m ³ TWA	0.1 mg/m ³ TWA 75 mg/m ³ IDLH	0.1 mg/m ³ TWA; prevent or reduce skin absorption;
Acid fuchsin	None listed	None listed	None listed
Diazolidinyl urea	None listed	None listed	None listed

OSHA Vacated PELs

Picric acid: 0.1 mg/m³ TWA

Personal Protective Equipment

Eyes:

Wear chemical splash goggles and face shield.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Material Safety Data Sheet
Chromaview Van Geison

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Color: Amber
Odor: Odorless
pH: <2 (Ranges 1.002-1.74)
Vapor Pressure: No information found
Vapor Density: No information found
Evaporation Rate: No information found
Viscosity: 1.54 cps @ 21°C
Boiling Point: No information found
Freezing/Melting Point: No information found
Decomposition Temperature: No information found
Solubility in water: No information found
Specific Gravity/Density: 1.00-1.08
Molecular Formula: Solution
Molecular Weight: No information found

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Excess heat

Incompatibilities with Other Materials

Strong oxidizing agents

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

RTECS:

CAS# 7732-18-5: ZC0110000
CAS# 88-89-1: TJ7875000
CAS# 3244-88-0: DD4737000
CAS# 78491-02-8: YS2717000

Material Safety Data Sheet
Chromaview Van Geison

LD50/LC50:

CAS# 7732-18-5:
Oral, rat: LD50 = >90 mL/kg.
CAS# 88-89-1:
Oral, rat: LD50 = 200 mg/kg.
CAS# 3244-88-0:
No information found
CAS# 78491-02-8:
Oral, mouse: LD50 = 3573 mg/kg
Oral, rat: LD50 = 2600 mg/kg
Skin, rabbit: LD50 = >2 gm/kg.

Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
CAS# 88-89-1: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
CAS# 3244-88-0: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
CAS# 78491-02-8: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology:

No information found

Teratogenicity:

No information found

Reproductive:

No information found

Mutagenicity:

No information found

Neurotoxicity:

No information found

Other:

The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Ecotoxicity:

Fish: Pseudomonas putida:

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P Series Wastes

None of the components are on this list.

RCRA U Series Wastes

None of the components are on this list.

Material Safety Data Sheet
Chromaview Van Geison

Section 14 - Transport Information

US DOT

Canadian TDG

Proper Shipping Name: CORROSIVE
LIQUID, ACIDIC,
ORGANIC, N.O.S
(Acid fuchsin, Picric
acid)
Hazard Class: 8
UN Number: UN3265
Packing Group: II

CORROSIVE
LIQUID, ACIDIC,
ORGANIC, N.O.S
(Acid fuchsin,
Picric acid)
8
UN3265
II

Section 15 - Regulatory Information

US Federal

TSCA

CAS# 7732-18-5 is listed on the TSCA Inventory.
CAS# 88-89-1 is listed on the TSCA Inventory.
CAS# 3244-88-0 is listed on the TSCA Inventory.
CAS# 78491-02-8 is listed on the TSCA Inventory.

Health and Safety Reporting List

None of the components are on this list.

Chemical Test Rules

None of the components are on this list.

TSCA Section 12b

None of the components are on this list.

TSCA Significant New Use Rule (SNUR)

None of the components are on this list.

CERCLA Hazardous Substances and corresponding RQs

None of the components are on this list.

SARA Section 302 Extremely Hazardous Substances

None of the components are on this list.

SARA Hazard Categories

CAS# 88-89-1: immediate, delayed, fire, sudden release of pressure, reactive.

SARA Section 313

This material contains Picric acid (CAS# 88-89-1, 1.23%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 372.

Clean Air Act - Hazardous Air Pollutants (HAPs)

None of the components are on this list.

Clean Air Act - Class 1 Ozone Depletors

None of the components are on this list.

Material Safety Data Sheet
Chromaview Van Geison

Clean Air Act - Class 2 Ozone Depletors

None of the components are on this list.

Clean Water Act - Hazardous Substances

None of the components are on this list.

Clean Water Act - Priority Pollutants

None of the components are on this list.

Clean Water Act - Toxic Pollutants

None of the components are on this list.

OSHA - Highly Hazardous

None of the components are on this list.

OSHA - Specifically Regulated Chemicals

None of the components are on this list.

US State

State Right to Know

Picric acid can be found on the following state Right-to-Know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

No information found

California Prop 65

None of the components are on this list.

California No Significant Risk Level

None of the components are on this list.

None of the components are on this list.

None of the components are on this list.

None of the components are on this list.

European/International Regulations

European Labelling in Accordance with EC Directives:

Hazard Symbols: C

Risk Phrases: R 34 Causes burns.

Safety Phrases: S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

No information found

United Kingdom Occupational Exposure Limits

No information found

United Kingdom Maximum Exposure Limits

No information found

Canadian DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 88-89-1 is listed on Canada's DSL List.

CAS# 3244-88-0 is listed on Canada's DSL List.

CAS# 78491-02-8 is listed on Canada's DSL List.

Material Safety Data Sheet
Chromaview Van Geison

Canadian WHMIS Classifications

This product has a WHMIS classification of E.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 88-89-1 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Other Information

No information found

MSDS Creation Date: August 24, 2006

Revision Date: October 3, 2006

Revisions were made in Sections:

2, 3, 4, 7, 8, 9, 14, 15

This MSDS is intended for review and guidance in the receipt, storage, handling, use and disposal of product purchased from us, and for no other purpose. Use this product only as directed and in accordance with applicable instructions and warnings provided with the product. Please consult your institution's policies regarding use of this product. If you have obtained this MSDS other than in connection with the supply of this product from us, this MSDS should be consulted for general information only, and should not be relied upon for any purpose. As with the use of all hazardous materials, you should in all instances follow the guidance of the MSDS provided or available with the specific product purchased.