

### Classified as hazardous in accordance with the criteria of EPA New Zealand

### **Section 1 - Identification**

**Product Identifier** 

Product Name Aqueous Eosin/ Picric Acid/Potassium Dichromate

**CAS No** 56360-46-4

Molecular Formula C20 H8 Br2 N2 O9

Molecular Weight 580.09

Recommended Use Laboratory chemicals.
Uses advised against No Information available

Product Code FNNFF137

Address Thermo Fisher Scientific New Zealand Ltd

244 Bush Road, Albany, Auckland, New Zealand

Emergency Tel. CHEMTREC®

09 980 6780 or +64 9 980 6780

**Telephone / Fax Numbers** Tel: 09 980 6700

Fax: 09 980 6788

E-mail address <u>ANZinfo@thermofisher.com</u>

## **Section 2 - Hazard(s) Identification**

Classification under Work Safe New Zealand

Classified as hazardous in accordance with the criteria of EPA New Zealand

HSNO Approval Number HSR002596

**GHS Classification** 

Physical hazards

Flammable liquids Category 2

**Health hazards** 

Acute Oral Toxicity

Acute Inhalation Toxicity - Dusts and Mists

Category 3

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Category 1

Respiratory Sensitization

Category 1

Category 1

Respiratory Sensitization Category 1
Skin Sensitization Category 1
Core Cell Mutanapisity

Germ Cell Mutagenicity
Carcinogenicity
Category 1 Category 1
Reproductive Toxicity
Category 1 Category 1
Category 1
Category 1
Category 1
Category 1

Specific target organ toxicity - (repeated exposure) Category 2

**Environmental hazards** 

NZ-001587 Version 2 14-Jul-2023 Page 1/12

Chronic aquatic toxicity

Category 2

#### **Label Elements**



Signal Word

Danger

#### **Hazard Statements**

- H314 Causes severe skin burns and eye damage
- H317 May cause an allergic skin reaction
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H340 May cause genetic defects
- H350 May cause cancer
- H360 May damage fertility or the unborn child
- H373 May cause damage to organs through prolonged or repeated exposure
- H411 Toxic to aquatic life with long lasting effects
- H226 Flammable liquid and vapor
- H225 Highly flammable liquid and vapor
- H301 + H331 Toxic if swallowed or if inhaled

#### **Precautionary Statements**

### Prevention

- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P264 Wash face, hands and any exposed skin thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well-ventilated area
- P272 Contaminated work clothing should not be allowed out of the workplace
- P280 Wear protective gloves
- P284 In case of inadequate ventilation wear respiratory protection
- P273 Avoid release to the environment

### Response

- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 Immediately call a POISON CENTER or doctor
- P330 Rinse mouth
- P331 Do NOT induce vomiting
- P363 Wash contaminated clothing before reuse
- P391 Collect spillage

### Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

#### Disposa

P501 - Dispose of contents/ container to an approved waste disposal plant

### Other hazards which do not result in classification

This product does not contain any known or suspected endocrine disruptors

# **Section 3 - Composition and Information on Ingredients**

NZ-001587 Version 2 14-Jul-2023 Page 2 / 12

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Component	CAS No	Weight %
Ethyl alcohol	64-17-5	>90
Potassium dichromate	7778-50-9	<5
Picric acid	88-89-1	0.5-2
Fluorescein, 2',4',5',7'-tetrabromo-, disodium salt	548-26-5	0.5-2

### **Section 4 - First Aid Measures**

**Description of first aid measures** 

General Advice If symptoms persist, call a physician. Show this safety data sheet to the doctor in

attendance.

New Zealand Emergency Tel. CHEMTREC®

09 980 6780 or +64 9 980 6780

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**Self-Protection of the First Aider** No special precautions required.

First Aid Facilities Eyewash, safety shower and washroom.

Most important symptoms and

effects

Causes burns by all exposure routes. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or

esophagus should be investigated: Ingestion causes severe swelling, severe damage to the

delicate tissue and danger of perforation: Symptoms of allergic reaction may include rash,

itching, swelling, trouble breathing, tingling of the hands and feet, dizziness,

lightheadedness, chest pain, muscle pain or flushing

Notes to Physician Treat symptomatically.

# **Section 5 - Fire Fighting Measures**

### **Suitable Extinguishing Media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Chemical foam. Water mist may be used to cool closed containers.

### Extinguishing media which must not be used for safety reasons

No information available.

### **Specific Hazards Arising from the Chemical**

Fine dust dispersed in air may ignite. Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

#### **Hazardous Combustion Products**

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2), Hydrogen halides, Bromine.

#### Special protective equipment and precautions for fire fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **Section 6 - Accidental Release Measures**

NZ-001587 Version 2 14-Jul-2023 Page 3 / 12

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### Personal Precautions, Protective Equipment and Emergency Procedures

### **Emergency procedures**

Use personal protective equipment as required. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.

#### **Environmental Precautions**

Do not flush into surface water or sanitary sewer system.

#### Methods for Containment and Clean Up

Sweep up and shovel into suitable containers for disposal. Do not let this chemical enter the environment. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

### Precautions to prevent secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations

#### **Reference to Other Sections**

Refer to protective measures listed in Sections 8 and 13.

## **Section 7 - Handling and Storage**

### **Precautions for Safe Handling**

#### Advice on safe handling

Avoid contact with skin and eyes. Do not breathe dust. Do not ingest. If swallowed then seek immediate medical assistance. Pay attention to flashback. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges.

### **Hygiene Measures**

When using do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

#### Conditions for Safe Storage, Including any Incompatibilities

### **Storage Conditions**

Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives area. Keep away from heat, sparks and flame.

### **Incompatible Materials**

Strong oxidizing agents.

AS/NZS 2243.10:2004, Safety in laboratories - Storage of chemicals AS 1940-2004 - The storage and handling of flammable and combustible liquids

# **Section 8 - Exposure Controls and Personal Protection**

### Control parameters

### **Exposure limits**

**NZ** - Workplace Exposure Standards and Biological Exposure Indices (6th edition). New Zealand Department of Labor **UK** - EH40/2005 Work Exposure Limits, Fourth edition. Published 2020.

**AUS** - Exposure Standards for Atmospheric Contaminants in the Occupational Environment - Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:3008(1995)] Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)] updated in August, 2005. Safe Work Australia

**ACGIH** - Threshold Limit Values - Ceiling (TLV-C) guidelines by the American Conference of Governmental Industrial Hygienists (ACGIH) for controlling worker exposure to airborne chemical concentrations in the workplace.

Component	New Zealand WEL	Australia	ACGIH TLV	The United Kingdom
Ethyl alcohol	TWA: 1000 ppm	TWA: 1000 ppm	STEL: 1000 ppm	TWA: 1000 ppm TWA; 1920
	TWA: 1880 mg/m <sup>3</sup>	TWA: 1880 mg/m <sup>3</sup>		mg/m³ TWA

NZ-001587 Version 2 14-Jul-2023 Page 4/12

				WEL - STEL: 3000 ppm STEL; 5760 mg/m <sup>3</sup> STEL
Potassium dichromate		TWA: 0.05 mg/m³	TWA: 0.0002 mg/m³ STEL: 0.0005 mg/m³ Skin	STEL: 0.03 mg/m³ 15 min STEL: 0.065 mg/m³ 15 min TWA: 0.01 mg/m³ 8 hr TWA: 0.025 mg/m³ 8 hr Carc. as Cr Resp. Sens.
Picric acid	TWA: 0.1 mg/m³ STEL: 0.2 mg/m³ Skin	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	STEL: 0.3 mg/m <sup>3</sup> 15 min TWA: 0.1 mg/m <sup>3</sup> 8 hr

### **Biological limit values**

**ACGIH** - American Conference of Governmental Industrial Hygienists (ACGIH) TLVs® and BEIs®- Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices. 2022 Edition

Component	New Zealand	Australia	ACGIH - Biological Exposure Indices	United Kingdom
Potassium dichromate			25 μg/L	
			Medium: urine	
			Time: end of shift at end of	
			workweek	
			Determinant: Total	
			chromium	
			10 μg/L	
			Medium: urine	
			Time: increase during shift	
			Determinant: Total	
			chromium	

### Appropriate engineering controls

### **Engineering Measures**

None under normal use conditions. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting equipment.

### Individual protection measures, such as personal protective equipment

**Eye Protection** Goggles (Australian/New Zealand Standard AS/NZS 1337 - Eye protectors for Industrial

applications)

Hand Protection Protective gloves

Glove material	Breakthrough time	Glove thickness	AUS/NZ Standard	Glove comments
Nitrile rubber, Neoprene,	See manufacturers	-	AS/NZS 2161	(minimum requirement)
Natural rubber, PVC.	recommendations			

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

**Skin and body protection**Wear appropriate protective gloves and clothing to prevent skin exposure Impervious

gloves

Repiratory Protection Use an AS/NZS 1716 approved respirator if exposure limits are exceeded or if irritation or

other symptoms are experienced. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained in line with AS/NZS 1715 on the use

and maintenance of repiratory protective devices

Recommended Filter type: Particle filter (or AUS/NZ equivalent)

Hygiene Measures When using do not eat, drink or smoke. Provide regular cleaning of equipment, work area

and clothing.

NZ-001587 Version 2 14-Jul-2023 Page 5 / 12

**Environmental exposure controls** 

Prevent product from entering drains. Do not allow material to contaminate ground water

Solid

system

# **Section 9 - Physical and Chemical Properties**

### Information on basic physical and chemical properties

Physical State Solid

**Appearance** Dark brown

Odor
Odor
No information available
No data available
Not applicable
Not applicable
275 °C / 527 °F
No data available
Boiling Point/Range
No information available
No information available

Flammability (liquid) Not applicable

Flammability (solid,gas)

Explosion Limits

No information available

No data available

Flash Point No information available Method - No information available

Autoignition TemperatureNot applicableDecomposition TemperatureNo data available

Viscosity Not applicable Solid

Water Solubility Soluble

Solubility in other solvents No information available

Partition Coefficient (n-octanol/water)

Componentlog PowEthyl alcohol-0.32

Vapor Pressure

Density / Specific Gravity

Bulk Density

No data available
No data available
No data available

Vapor Density Not applicable Solid

Particle characteristics No data available

Other information

Molecular Formula C20 H8 Br2 N2 O9

Molecular Weight 580.09

**Explosive Properties** Vapors may form explosive mixtures with air

Evaporation Rate Not applicable - Solid

### **Section 10 - Stability and Reactivity**

Reactivity None known, based on information available

**Stability** Stable under recommended storage conditions.

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Hazardous Reactions**No information available.

Conditions to Avoid Incompatible products, Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials Strong oxidizing agents.

NZ-001587 Version 2 14-Jul-2023 Page 6/12

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Hazardous Decomposition Products Nitrogen oxides (NOx). Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen halides. Bromine.

# **Section 11 - Toxicological Information**

### **Acute Effects**

Information on likely routes of exposure

#### **Product Information**

**Inhalation** May cause irritation of respiratory tract.

**Eyes** Moderately irritating to the eyes.

**Skin**No known effect based on information supplied.
Ingestion may cause irritation to mucous membranes.

### Numerical measures of toxicity

(a) acute toxicity;

Oral Category 4

**Dermal** Based on available data, the classification criteria are not met

Inhalation Category 3

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl alcohol	LD50 = 7060 mg/kg (Rat)		20000 ppm/10H ( Rat )
Potassium dichromate	130 mg/kg ( Rat )	1150 mg/kg (Rabbit)	0.09 mg/L/4h (Rat)
Picric acid	LD50 = 200 mg/kg (Rat)		

(b) skin corrosion/irritation; Category 1 B

(c) serious eye damage/irritation; Category 1

(d) respiratory or skin sensitization;

**Respiratory** Category 1 **Skin** Category 1

Sensitization No information available

(e) germ cell mutagenicity; Category 1B

(f) carcinogenicity; Category 1B

The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	New Zealand	Australia	New South	Western	IARC	EU	UK	Germany
			Wales	Australia				
Potassium dichromate					Group 1	Carc Cat. 1B	·	

(g) reproductive toxicity; Category 1B

(h) STOT-single exposure; No data available

(i) STOT-repeated exposure; Category 2

NZ-001587 Version 2 14-Jul-2023 Page 7/12

Target Organs No information available.

(j) aspiration hazard; Not applicable

Solid

Other Adverse Effects The toxicological properties have not been fully investigated.

### Symptoms / effects, both acute and delayed

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing.

# **Section 12 - Ecological Information**

#### **Ecotoxicity**

### **Aquatic ecotoxicity**

The product contains following substances which are hazardous for the environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Component	Freshwater Fish	Water Flea	Freshwater Algae	Microtox
Ethyl alcohol	Fathead minnow (Pimephales promelas) LC50 = 14200 mg/l/96h	EC50 = 9268 mg/L/48h EC50 = 10800 mg/L/24h	EC50 (72h) = 275 mg/l (Chlorella vulgaris)	Photobacterium phosphoreum:EC50 = 34634 mg/L/30 min Photobacterium phosphoreum:EC50 =
Potassium dichromate	LC50: 14 - 20.9 mg/L, 96h static (Pimephales promelas) LC50: 24.81 - 34.55 mg/L, 96h semi-static (Poecilia reticulata) LC50: 23 - 41.2 mg/L, 96h static (Poecilia reticulata) LC50: 23 - 41.2 mg/L, 96h static (Poecilia reticulata) LC50: 15.41 - 30.36 mg/L, 96h flow-through (Pimephales promelas) LC50: > 139 mg/L, 96h static (Cyprinus carpio) LC50: 113.6 - 155.7 mg/L, 96h flow-through (Lepomis macrochirus) LC50: = 320 mg/L, 96h (Lepomis macrochirus) LC50: 65.6 - 137.6 mg/L, 96h static (Lepomis macrochirus) LC50: = 12.3 mg/L, 96h semi-static (Oncorhynchus mykiss) LC50: 21.209 - 30.046 mg/L, 96h semi-static (Oryzias latipes)	EC50: 1.4 mg/L 24h		35470 mg/L/5 min

### **Terrestrial ecotoxicity**

Component	Earthworm	Avian	Honeybees
Ethyl alcohol	Acute toxicity: LC50 0.1 - 1 mg/cm2 (Eisenia foetida, 48 h,		
	filter paper)		

### Persistence and Degradability

NZ-001587 Version 2 14-Jul-2023 Page 8 / 12

**Persistence** Soluble in water, Persistence is unlikely, based on information available.

Degradation in sewage treatment

plant

Contains substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Bioaccumulative Potential Bioaccumulation is unlikely

Component	log Pow	Bioconcentration factor (BCF)
Ethyl alcohol	-0.32	No data available

**Mobility** The product is water soluble, and may spread in water systems. Will likely be mobile in the

environment due to its water solubility. Highly mobile in soils

Other adverse effects

Endocrine Disruptor Information Persistent Organic Pollutant Ozone Depletion Potential This product does not contain any known or suspected endocrine disruptors

This product does not contain any known or suspected substance This product does not contain any known or suspected substance

# **Section 13 - Disposal Considerations**

#### Waste treatment methods

Waste from Residues/Unused Products

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with all federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

**Contaminated Packaging** 

Dispose of this container to hazardous or special waste collection point. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep product and empty container away from heat and sources of ignition.

Other Information

Disposal agencies or waste contractors must comply with the New Zealand Hazardous Substances (Disposal) Regulations . Do not flush to sewer. Waste codes should be assigned by the user based on the application for which the product was used. Can be landfilled or incinerated, when in compliance with local regulations. Do not empty into drains. Large amounts will affect pH and harm aquatic organisms. Do not let this chemical enter the environment.

### **Section 14 - Transport Information**

Component	Hazchem Code
Ethyl alcohol	2YE
64-17-5 (>90)	2Y
Potassium dichromate	2W
7778-50-9 ( <5 )	

#### NZS 5433:2020

UN-No UN1170

Proper Shipping Name ETHANOL MIXTURE

**Technical Shipping Name** Aqueous Eosin/ Picric Acid/Potassium Dichromate azard Class

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Hazard Class
Packing Group

IATA

NZ-001587 Version 2 14-Jul-2023 Page 9/12

**UN-No** UN1170

Proper Shipping Name ETHANOL MIXTURE

Technical Shipping Name Aqueous Eosin/ Picric Acid/Potassium Dichromate

Hazard Class 3 Packing Group II

IMDG/IMO

**UN-No** UN1170

Proper Shipping Name ETHANOL MIXTURE

**Technical Shipping Name** Agueous Eosin/ Picric Acid/Potassium Dichromate

Hazard Class 3
Packing Group ||

**Environmental hazards** Dangerous for the environment

Product is a marine pollutant according to the criteria set by IMDG/IMO

Transport in bulk according to Annex II of MARPOL 73/78 and the

Not applicable, packaged goods

IBC Code

Special Precautions No special precautions required. Please refer to the applicable dangerous goods

regulations for additional information.

Additional information None known

# **Section 15 - Regulatory Information**

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number	HSR002596

### **National Regulations**

There are no applicable tolerable exposure limits or environmental exposure limits according to the EPA Controls for Hazardous Substances

### Certified handlers, tracking and controlled substance license requirements

Certified handlers are required for some substances. This includes substances requiring a controlled substance license, and most explosives, vertebrates toxic agents, and certain fumigants. Acutely toxic substances which are a Category 1 or 2, such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information. Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please check the Health and Safety at Work Act 2015 for further information.

### Prohibition or notification/licensing requirements

Shown below are details of specific prohibition/notifications or licencing requirements when they apply.

International Regulations

Ozone Depletion Potential This product does not contain any known or suspected substance

Persistent Organic Pollutant This product does not contain any known or suspected substance

Rotterdam Convention (PIC) Not applicable

Authorisation/Restrictions according to EU REACH

Component	REACH (1907/2006) - Annex XIV -	REACH (1907/2006) - Annex XVII -	REACH Regulation (EC

NZ-001587 Version 2 14-Jul-2023 Page 10 / 12

	Substances Subject to Authorization	Restrictions on Certain Dangerous Substances	1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Potassium dichromate	Carcinogenic Category 1B, Mutagenic Category 1B, Toxic for reproduction Category 1B Article 57 Application date: March 21, 2016 Sunset date: September 21, 2017 Exemption - None	Use restricted. See item 72. (see link for restriction details) Use restricted. See item 28. (see link for restriction details) Use restricted. See item 29. (see link for restriction details) Use restricted. See item 30. (see link for restriction details) Use restricted. See item 75. (see link for restriction details) Use restricted. See item 47. (see link for restriction details)	SVHC Candidate list - 231-906-6 - Carcinogenic, Article 57a; Mutagenic, Article 57b; Toxic for reproduction, Article 57c
Picric acid	-	Use restricted. See item 75. (see link for restriction details)	-
Fluorescein, 2',4',5',7'-tetrabromo-, disodium salt	<u>-</u>	Use restricted. See item 75. (see link for restriction details)	<u>-</u>

After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate.

https://echa.europa.eu/authorisation-list

https://echa.europa.eu/candidate-list-table

https://echa.europa.eu/substances-restricted-under-reach

### **International Inventories**

New Zealand (NZIoC), Australia (AICS), Europe (EINECS/ELINCS/NLP), Korea (KECL), China (IECSC), Taiwan (TCSI), Japan (ISHL), Canada (DSL/NDSL), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

Component	CAS No	NZIoC	AICS	EINECS	ELINCS	NLP	KECL	IECSC	TCSI
Ethyl alcohol	64-17-5	X	Х	200-578-6	1	-	KE-13217	X	X
Potassium dichromate	7778-50-9	X	Х	231-906-6	-	-	KE-29094	Х	Х
Picric acid	88-89-1	X	Х	201-865-9	-	-	KE-34715	Х	Х
Fluorescein, 2',4',5',7'-tetrabromo-,	548-26-5	X	-	-	-	-	-	Х	X
disodium salt									

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	DSL	NDSL	PICCS	ISHL	ENCS
Ethyl alcohol	64-17-5	Х	ACTIVE	Х	•	Х	Χ	Х
Potassium dichromate	7778-50-9	Х	ACTIVE	Х	-	Х	Х	Х
Picric acid	88-89-1	Х	ACTIVE	Х	-	Х	Х	Х
Fluorescein, 2',4',5',7'-tetrabromo-, disodium salt	548-26-5	-	-	X	-	Х	Х	Х

**Legend:** X - Listed '-' - Not Listed **KECL** - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

### **Section 16 - Other Information**

# This safety data sheet complies with the requirements of the EPA Hazardous Substances (Hazard Classification) Notice 2020 and WorkSafe New Zealand Regulations

### Legend

**NZIoC** - New Zealand Inventory of Chemicals

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

IECSC - Chinese Inventory of Existing Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japanese Existing and New Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**CAS** - Chemical Abstracts Service

NZ-001587 Version 2 14-Jul-2023 Page 11/12

### **Aqueous Eosin/Picric Acid/Potassium Dichromate**

### SAFETY DATA SHEET

TWA - Time Weighted Average

IARC - International Agency for Research on Cancer NZS 5433:2020 - Transport of Dangerous Goods on Land

ICAO/IATA - International Civil Aviation Organization/International Air **Transport Association** 

MARPOL - International Convention for the Prevention of Pollution from

LD50 - Lethal Dose 50%

EC50 - Effective Concentration 50% WEL - Workplace Exposure Limit **DNEL** - Derived No Effect Level

POW - Partition coefficient Octanol:Water vPvB - very Persistent, very Bioaccumulative

**VOC** - (Volatile Organic Compound)

**ACGIH** - American Conference of Governmental Industrial Hygienists

PNEC - Predicted No Effect Concentration

**OECD** - Organisation for Economic Co-operation and Development IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code

ADG - Australian Code for the Transport of Dangerous Goods by Road and Rail

LC50 - Lethal Concentration 50% ATE - Acute Toxicity Estimate

RPE - Respiratory Protective Equipment NOEC - No Observed Effect Concentration

**BCF** - Bioconcentration factor

PBT - Persistent, Bioaccumulative, Toxic

#### Key literature references and sources for data

HSNO classifications provided in the New Zealand Chemical Classification Information Database (CCID).

https://echa.europa.eu/information-on-chemicals

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

EPA Guide to classifying hazardous substances in New Zealand

EPA - Assigning a product to an existing HSNO approval guide

### **Training Advice**

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

14-Jul-2023 **Revision Date** 

**Revision Summary** Update to GHS format

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# **End of Safety Data Sheet**

NZ-001587 Version 2 14-Jul-2023 Page 12/12