

# SAFETY DATA SHEET

Creation Date 08-Jul-2009 Revision Date 29-Mar-2024 Revision Number 3

# 1. Identification

Product Name Potassium dichromate

Cat No. : 13450

**CAS No** 7778-50-9

Synonyms Potassium bichromate.; Dipotassium dichromate; Dichromic acid, dipotassium salt

Recommended Use Laboratory chemicals.

**Uses advised against** Food, drug, pesticide or biocidal product use.

#### Details of the supplier of the safety data sheet

#### Company

Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099

Tel: 800-343-0660 Fax: 800-322-4757

#### **Emergency Telephone Number**

For information **US** call: 001-800-227-6701 / **Europe** call: +32 14 57 52 11 Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99 **CHEMTREC** Tel. No. **US**:001-800-424-9300 / **Europe**:001-703-527-3887

# 2. Hazard(s) identification

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Oxidizing solids Category 2 Acute oral toxicity Category 3 Acute dermal toxicity Category 4 Acute Inhalation Toxicity - Dusts and Mists Category 2 Skin Corrosion/Irritation Category 1 B Serious Eye Damage/Eye Irritation Category 1 Respiratory Sensitization Category 1 Skin Sensitization Category 1 Germ Cell Mutagenicity Category 1B Carcinogenicity Category 1A Reproductive Toxicity Category 1B Specific target organ toxicity (single exposure) Category 3 Target Organs - Respiratory system.

Specific target organ toxicity - (repeated exposure) Category 1

Target Organs - Respiratory system, Liver, Kidney, Blood.

#### Label Elements

# Signal Word

Danger

#### **Hazard Statements**

May intensify fire; oxidizer

Toxic if swallowed

Harmful in contact with skin

Fatal if inhaled

Causes severe skin burns and eye damage

May cause respiratory irritation

May cause an allergic skin reaction

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause genetic defects

May cause cancer

May damage fertility. May damage the unborn child

Causes damage to organs through prolonged or repeated exposure



### **Precautionary Statements**

#### Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not get in eyes, on skin, or on clothing

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Wear respiratory protection

In case of inadequate ventilation wear respiratory protection

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep/Store away from clothing/ other combustible materials

Take any precaution to avoid mixing with combustibles

# Response

Immediately call a POISON CENTER or doctor/physician

#### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

# Skin

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

If skin irritation or rash occurs: Get medical advice/attention

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing **Ingestion** 

Rinse mouth

Do NOT induce vomiting

### **Fire**

In case of fire: Use CO2, dry chemical, or foam for extinction

**Storage** 

Store locked up

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

**Disposal** 

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Very toxic to aquatic life with long lasting effects

WARNING. Cancer and Reproductive Harm - https://www.p65warnings.ca.gov/.

# 3. Composition/Information on Ingredients

| Component            | CAS No    | Weight % |
|----------------------|-----------|----------|
| Potassium dichromate | 7778-50-9 | >95      |

# 4. First-aid measures

**General Advice** Show this safety data sheet to the doctor in attendance. Immediate medical attention is

required.

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

Immediate medical attention is required.

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

attention is required.

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth

method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Immediate medical attention is required.

**Ingestion** Do NOT induce vomiting. Call a physician or poison control center immediately.

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: 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: Ingestion causes severe swelling, severe damage to the

delicate tissue and danger of perforation

Notes to Physician Treat symptomatically

# 5. Fire-fighting measures

Suitable Extinguishing Media Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Unsuitable Extinguishing Media No information available

Flash Point No information available Method - No information available

**Autoignition Temperature** 

**Explosion Limits** 

No information available

Upper No data available
Lower No data available

Oxidizing Properties Oxidizer

Sensitivity to Mechanical Impact No information available

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#### Sensitivity to Static Discharge No information available

#### Specific Hazards Arising from the Chemical

The product causes burns of eyes, skin and mucous membranes. Oxidizer: Contact with combustible/organic material may cause fire. May ignite combustibles (wood paper, oil, clothing, etc.). Do not allow run-off from fire-fighting to enter drains or water courses.

#### **Hazardous Combustion Products**

Chromium oxide.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

| NFPA |
|------|
|------|

| Health | Flammability | Instability | Physical hazards |
|--------|--------------|-------------|------------------|
| 4      | 0            | 1           | OX               |

#### 6. Accidental release measures

#### **Personal Precautions**

#### **Environmental Precautions**

Use personal protective equipment as required. Evacuate personnel to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid dust formation. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Should not be released into the environment.

# Up

Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Sweep up and shovel into suitable containers for disposal.

# 7. Handling and storage

### Handling

Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not ingest. If swallowed then seek immediate medical assistance. Do not breathe (dust, vapor, mist, gas). Avoid dust formation. Keep away from clothing and other combustible materials.

#### Storage.

Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store near combustible materials. Corrosives area. Incompatible Materials. Strong oxidizing agents. Reducing Agent. Acids. Strong bases. Acid anhydrides. Strong reducing agents. Combustible material.

# 8. Exposure controls / personal protection

#### **Exposure Guidelines**

| Component            | ACGIH TLV                                       | OSHA PEL   | NIOSH                               | Mexico OEL (TWA)            |
|----------------------|---|--|-------------------------------------|-----------------------------|
| Potassium dichromate | TWA: 0.0002 mg/m³<br>STEL: 0.0005 mg/m³<br>Skin | (Vacated) Ceiling: 0.1 mg/m³<br>Ceiling: 0.1 mg/m³ | IDLH: 15 mg/m³<br>TWA: 0.0002 mg/m³ | TWA: 0.05 mg/m <sup>3</sup> |

#### Legend

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH: NIOSH - National Institute for Occupational Safety and Health

### **Engineering Measures**

Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

## **Personal Protective Equipment**

**Eye/face Protection**Wear appropriate protective eyeglasses or chemical safety goggles as described by

OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard

EN166.

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

Respiratory Protection 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.

**Recommended Filter type:** Particulates filter conforming to EN 143.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

# 9. Physical and chemical properties

Physical State Solid
Appearance Orange
Odor Odorless

Odor Threshold No information available

pH 4 (5 %)

Melting Point/Range398 °C / 748.4 °FBoiling Point/Range500 °C / 932 °FFlash PointNo information available

Evaporation Rate Not applicable

Flammability (solid,gas) No information available

Flammability or explosive limits

UpperNo data availableLowerNo data availableVapor PressureNo information available

Vapor Density
Not applicable

Specific Gravity2.676SolubilitySoluble

Partition coefficient; n-octanol/water

Autoignition Temperature

No data available
No information available

Decomposition Temperature> 500°CViscosityNot applicableMolecular FormulaCr2 K2 O7Molecular Weight294.19

# 10. Stability and reactivity

Reactive Hazard Yes

Stability Oxidizer: Contact with combustible/organic material may cause fire.

Conditions to Avoid Incompatible products. Excess heat. Combustible material. Avoid dust formation.

Incompatible Materials Strong oxidizing agents, Reducing Agent, Acids, Strong bases, Acid anhydrides, Strong

reducing agents, Combustible material

Hazardous Decomposition Products Chromium oxide

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

**Hazardous Reactions**None under normal processing.

# 11. Toxicological information

**Acute Toxicity** 

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#### **Product Information**

**Component Information** 

| Component                   | LD50 Oral                | LD50 Dermal         | LC50 Inhalation    |  |
|-----------------------------|--------------------------|---------------------|--------------------|--|
| Potassium dichromate        | 130 mg/kg ( Rat )        | 1150 mg/kg (Rabbit) | 0.09 mg/L/4h (Rat) |  |
| Toxicologically Synergistic | No information available |                     |                    |  |

**Products** 

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Causes burns by all exposure routes

Sensitization May cause sensitization by skin contact

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

|                      | r                                     |                     |                                  |  |                      |            |  |  |
|----------------------|---------------------------------------|---------------------|----------------------------------|--|----------------------|------------|--|--|
| Component            | CAS No                                | IARC                | NTP                              | ACGIH  | OSHA                 | Mexico     |  |  |
| Potassium dichromate | 7778-50-9                             | Group 1             | Known                            | A1   | X                    | A1         |  |  |
| IARC (Internation    | al Agency for Resea                   | arch on Cancer)     | IARC (Inter                      | IARC (International Agency for Research on Cancer)                 |                      |            |  |  |
|                      | J ,                                   |                     | Group 1 - C                      | Carcinogenic to Huma   | ins                  |            |  |  |
|                      |                                       |                     | Group 2A -                       | Probably Carcinoger  | nic to Humans        |            |  |  |
|                      |                                       |                     | Group 2B -                       | Possibly Carcinogen  | ic to Humans         |            |  |  |
| NTP: (National To    | xicity Program)                       |                     | NTP: (Natio                      | onal Toxicity Program  | )                    |            |  |  |
| •                    | , , , , , , , , , , , , , , , , , , , |                     | Known - Kr                       | nown Carcinogen  | ,                    |            |  |  |
|                      |                                       |                     | Reasonably                       | / Anticipated - Reaso  | nably Anticipated to | be a Human |  |  |
|                      |                                       |                     | Carcinogen                       | ,  |                      |            |  |  |
| ACGIH: (America      | n Conference of Go                    | vernmental Industri | al A1 - Known                    | A1 - Known Human Carcinogen  |                      |            |  |  |
| Hygienists)          |                                       |                     | A2 - Suspe                       | A2 - Suspected Human Carcinogen                                    |                      |            |  |  |
| ,                    |                                       |                     | A3 - Anima                       | A3 - Animal Carcinogen   |                      |            |  |  |
|                      |                                       |                     | ACGIH: (A                        | ACGIH: (American Conference of Governmental Industrial Hygienists) |                      |            |  |  |
| Mexico - Occupat     | ional Exposure Lim                    | its - Carcinogens   | Mexico - O                       | Mexico - Occupational Exposure Limits - Carcinogens                |                      |            |  |  |
| •                    | •                                     | _                   | A1 - Confiri                     | A1 - Confirmed Human Carcinogen                                    |                      |            |  |  |
|                      |                                       |                     | A2 - Suspected Human Carcinogen  |  |                      |            |  |  |
|                      |                                       |                     | A3 - Confirmed Animal Carcinogen |  |                      |            |  |  |
|                      |                                       |                     | A4 - Not Cla                     | assifiable as a Huma   | n Carcinogen         |            |  |  |
|                      |                                       |                     | AE Not St                        | ispacted as a Human  | Carcinagan           |            |  |  |

A5 - Not Suspected as a Human Carcinogen

**Mutagenic Effects** May cause heritable genetic damage

May impair fertility. **Reproductive Effects** 

**Developmental Effects** Component substance is listed on California Proposition 65 as a developmental hazard.

**Teratogenicity** May cause harm to the unborn child.

STOT - single exposure Respiratory system

STOT - repeated exposure Respiratory system Liver Kidney Blood

No information available **Aspiration hazard** 

delayed

Symptoms / effects,both acute and Product is a corrosive material. Use of gastric lavage or emesis is contraindicated.

Possible perforation of stomach or esophagus should be investigated: 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: Ingestion causes

severe swelling, severe damage to the delicate tissue and danger of perforation

**Endocrine Disruptor Information** No information available

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

# 12. Ecological information

#### **Ecotoxicity**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not allow material to contaminate ground water system. The product contains following substances which are hazardous for the environment.

| Component            | Freshwater Algae | Freshwater Fish              | Microtox   | Water Flea         |
|----------------------|------------------|------------------------------|------------|--------------------|
| Potassium dichromate | Not listed       | LC50: 14 - 20.9 mg/L, 96h    | Not listed | EC50: 1.4 mg/L 24h |
|                      |                  | 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: 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)            |            |                    |
|                      |                  | (3.)2.23 (4.1900)            |            |                    |

Persistence and Degradability

May persist based on information available.

**Bioaccumulation/ Accumulation** 

No information available.

**Mobility** 

Will likely be mobile in the environment due to its water solubility.

# 13. Disposal considerations

**Waste Disposal Methods** 

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

# 14. Transport information

DOT

UN-No UN3087

Proper Shipping Name Oxidizing solid, toxic, n.o.s.
Technical Name Oxidizing solid, toxic, n.o.s.
Potassium dichromate

Hazard Class 5.1 Subsidiary Hazard Class 6.1 Packing Group II

TDG

UN-No UN3087

Proper Shipping Name Oxidizing solid, toxic, n.o.s.

Hazard Class 5.1 Subsidiary Hazard Class 6.1 Packing Group II

<u>IATA</u>

UN-No UN3087

**Proper Shipping Name** Oxidizing solid, toxic, n.o.s.

Hazard Class 5.1 Subsidiary Hazard Class 6.1 Packing Group II

IMDG/IMO

UN-No UN3087

Proper Shipping Name Oxidizing solid, toxic, n.o.s.

Hazard Class 5.1 Subsidiary Hazard Class 6.1 Packing Group II

# 15. Regulatory information

#### **United States of America Inventory**

| Component            | CAS No    | TSCA | TSCA Inventory notification - Active-Inactive | TSCA - EPA Regulatory Flags |
|----------------------|-----------|------|---|-----------------------------|
| Potassium dichromate | 7778-50-9 | Χ    | ACTIVE  | R                           |

#### Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

# TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT)

Not applicable

TSCA 12(b) - Notices of Export

| Component            | CAS No    | TSCA 12(b) - Notices of Export |
|----------------------|-----------|--------------------------------|
| Potassium dichromate | 7778-50-9 | Section 6                      |

#### **International Inventories**

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

| Component            | CAS No    | DSL | NDSL | EINECS    | PICCS | ENCS | ISHL | AICS | IECSC | KECL     |
|----------------------|-----------|-----|------|-----------|-------|------|------|------|-------|----------|
| Potassium dichromate | 7778-50-9 | Х   | -    | 231-906-6 | Χ     | Χ    | Χ    | Х    | Х     | KE-29094 |

KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

## U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Component            | CAS No    | Weight % | SARA 313 - Threshold<br>Values % | SARA 313 - Reporting threasholds |
|----------------------|-----------|----------|----------------------------------|----------------------------------|
| Potassium dichromate | 7778-50-9 | >95      | 0.1 %                            | -                                |

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)** 

| OTTA (Oldan Tratol Add) |                               |                                |                        |                           |
|-------------------------|-------------------------------|--------------------------------|------------------------|---------------------------|
| Component               | CWA - Hazardous<br>Substances | CWA - Reportable<br>Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants |
| Potassium dichromate    | Х                             | 10 lb                          | X                      | -                         |

## Clean Air Act

| Component            | HAPS Data | Class 1 Ozone Depletors | Class 2 Ozone Depletors |
|----------------------|-----------|-------------------------|-------------------------|
| Potassium dichromate | X         |                         | -                       |

**OSHA** - Occupational Safety and

Not applicable

Health Administration

| Component            | Specifically Regulated Chemicals | Highly Hazardous Chemicals |
|----------------------|----------------------------------|----------------------------|
| Potassium dichromate | 5 μg/m³ TWA                      | -                          |
|                      | 2.5 μg/m³ Action Level           |                            |

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

| Component            | Hazardous Substances<br>RQs | CERCLA Extremely<br>Hazardous Substances<br>RQs | SARA Reportable Quantity<br>(RQ) |
|----------------------|-----------------------------|---|----------------------------------|
| Potassium dichromate | 10 lb                       | -   | 10 lb<br>4.54 kg                 |

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Component            | CAS No    | California Prop. 65 | Prop 65 NSRL | Category      |
|----------------------|-----------|---------------------|--------------|---------------|
| Potassium dichromate | 7778-50-9 | Carcinogen          | -            | Developmental |
|                      |           | Developmental       |              | Carcinogen    |
|                      |           | Female Reproductive |              |               |
|                      |           | Male Reproductive   |              |               |

# U.S. State Right-to-Know Regulations

| Component            | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|----------------------|---------------|------------|--------------|----------|--------------|
| Potassium dichromate | X             | X          | Х            | Х        | X            |

## **U.S. Department of Transportation**

Reportable Quantity (RQ): Y
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

# U.S. Department of Homeland

Security

This product does not contain any DHS chemicals.

# Other International Regulations

Mexico - Grade No information available

# Authorisation/Restrictions according to EU REACH

| Component            | CAS No    | REACH (1907/2006) -<br>Annex XIV - Substances<br>Subject to Authorization  |  | Candidate List of  |
|----------------------|-----------|--|--|--|
|                      |           |  | Substances   | Substances of Very High<br>Concern (SVHC)  |
| Potassium dichromate | 7778-50-9 | 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. | SVHC Candidate list -<br>231-906-6 - Carcinogenic,<br>Article 57a; Mutagenic,<br>Article 57b; Toxic for<br>reproduction, Article 57c |

| Г | (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)                  |

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.

#### REACH links

https://echa.europa.eu/authorisation-list https://echa.europa.eu/substances-restricted-under-reach https://echa.europa.eu/candidate-list-table

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

| Component            | CAS No    | OECD HPV       | Persistent Organic<br>Pollutant | Ozone Depletion<br>Potential | Restriction of<br>Hazardous |
|----------------------|-----------|----------------|---------------------------------|------------------------------|-----------------------------|
|                      |           |                |                                 |                              | Substances (RoHS)           |
| Potassium dichromate | 7778-50-9 | Not applicable | Not applicable                  | Not applicable               | Not applicable              |

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

#### Other International Regulations

| Component            | CAS No    | Seveso III Directive<br>(2012/18/EC) -<br>Qualifying Quantities | Seveso III Directive<br>(2012/18/EC) -<br>Qualifying Quantities | Rotterdam<br>Convention (PIC) | Basel Convention (Hazardous Waste) |
|----------------------|-----------|---|---|-------------------------------|------------------------------------|
|                      |           | for Major Accident   for Safety Report                          |   |                               |                                    |
|                      |           | Notification  | Requirements  |                               |                                    |
| Potassium dichromate | 7778-50-9 | Not applicable  | Not applicable  | Not applicable                | Annex I - Y21                      |

# 16. Other information

Prepared By Health, Safety and Environmental Department

Email: chem.techinfo@thermofisher.com

www.thermofisher.com

 Creation Date
 08-Jul-2009

 Revision Date
 29-Mar-2024

 Print Date
 29-Mar-2024

**Revision Summary** New emergency telephone response service provider.

#### **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 SDS**