

Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name: COE-PAK Base & Catalyst (Hard & Fast Set)

Manufacturer: GC Corporation

SDS Expiry: 2 July 2029

Supplier Details: Henry Schein New Zealand  
243-249 Bush Road, Rosedale, Auckland, 0632  
PO Box 101 140, North Shore, Auckland 0745  
Ph. 0800 808 855  
[www.henryschein.co.nz](http://www.henryschein.co.nz)

Emergency Contacts: Poisons/Hazardous Chemical Info Centre –  
0800POISON/0800764766 (24 Hours)  
Phone 111 for Fire, Ambulance or Police

HSNO Class/Category: 6 / 9

HSNO Group Standard: Dental Products Subsidiary Hazard Group Standard 2020  
HSR002558

Statements/Pictograms: As per attached Safety Data Sheet (SDS)

Date Prepared: This coversheet was prepared – January 2025

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

### 1 Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name:** COE-PAK Base (Hard & Fast Set)
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Auxillary for dental technology
- **Details of the supplier of the safety data sheet**  
Henry Schein Dental  
  
243-249 Bush Road, Rosedale  
Auckland 0632, NEW ZEALAND  
  
Free Phone: 0800 808 855
- **Further information obtainable from:** Regulatory affairs
- **Emergency telephone number:** 0800 764 766 (National Poisons Centre)

### 2 Hazards identification

- **Classification of the substance or mixture**  
Eye irritation Category 2 H319 Causes serious eye irritation.  
Skin sensitisation Category 1 H317 May cause an allergic skin reaction.  
Hazardous to the aquatic environment chronic Category 3H412 Harmful to aquatic life with long lasting effects.

#### · Label elements

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

#### · Exemptions

The product, regulated as an invasive medical device by the Regulation (EC) 2017/745, is exempted from labelling requirements for substances and mixtures (according to the provision of the Art 1.5).

#### · Hazard pictograms



GHS07

#### · Signal word

 Warning

#### · Hazard-determining components of labelling:

Resin G

Peppermint oil

#### · Hazard statements

Causes serious eye irritation.

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

#### · Precautionary statements

Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

(Contd. on page 2)

-NZ-

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

Trade name: COE-PAK\_Base\_(Hard\_&amp;\_Fast\_Set)

(Contd. of page 1)

Avoid release to the environment.

Wear protective gloves / eye protection / face protection.

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

Continue rinsing.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/Information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:**

Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request.

- **Dangerous components:**

CAS: 143-07-7 EINECS: 205-582-1	Lauric acid Eye irritation Category 2, H319	25-<50%
CAS: 8023-89-0	Resins, Manila elemi Flammable liquids Category 4, H227	2.5-<5%
CAS: 9000-75-3	Resin G Hazardous to the aquatic environment chronic Category 2, H411; Skin irritation Category 2, H315; Skin sensitisation Category 1, H317; Flammable liquids Category 4, H227	2.5-<5%
CAS: 89-68-9 EINECS: 201-930-1	6-chlorothymol Skin irritation Category 2, H315	1-<2.5%
CAS: 64-17-5 EINECS: 200-578-6	ethyl alcohol Flammable liquids Category 2, H225	1-<2.5%
CAS: 8001-61-4 EINECS: 232-288-0	Copaifera L. Aspiration hazard Category 1, H304	1-<2.5%
CAS: 8006-90-4	Peppermint oil Hazardous to the aquatic environment chronic Category 2, H411; Skin irritation Category 2, H315; Skin sensitisation Category 1, H317; Flammable liquids Category 4, H227	1-<2.5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

- **General information:**

Immediately remove any clothing soiled by the product.

If symptoms persist consult doctor.

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

Take affected persons into fresh air and keep quiet.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment.

(Contd. on page 3)

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

**Trade name: COE-PAK\_Base\_(Hard\_&\_Fast\_Set)**

(Contd. of page 2)

*If skin irritation continues, consult a doctor.*

· **After eye contact:**

*Protect unharmed eye.*

*Rinse opened eye for several minutes under running water. Then consult a doctor.*

· **After swallowing:**

*Rinse out mouth and then drink plenty of water.*

*If symptoms persist consult doctor.*

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** *Allergic reactions*

· **Indication of any immediate medical attention and special treatment needed**

*No further relevant information available.*

### 5 Fire fighting measures

· **Suitable extinguishing agents:** *CO<sub>2</sub>, sand, extinguishing powder. Do not use water.*

· **For safety reasons unsuitable extinguishing agents:** *Water*

· **Special hazards arising from the substance or mixture**

*Formation of toxic gases is possible during heating or in case of fire.*

*No further relevant information available.*

· **Protective equipment:** *Wear self-contained respiratory protective device.*

· **Additional information**

*Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.*

### 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

*Remove persons from danger area.*

*Avoid contact with the eyes and skin.*

*Wear protective clothing.*

· **Environmental precautions:**

*Do not allow product to reach sewage system or any water course.*

*Inform respective authorities in case of seepage into water course or sewage system.*

*Do not allow to penetrate the ground/soil.*

*In case of seepage into the ground inform responsible authorities.*

· **Methods and material for containment and cleaning up:**

*Absorb liquid components with liquid-binding material.*

*Dispose of the material collected according to regulations.*

· **Reference to other sections**

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

### 7 Handling and storage

· **Handling:**

· **Precautions for safe handling**

*Ensure good ventilation/exhaustion at the workplace.*

*Prevent formation of aerosols.*

*Avoid contact with the eyes and skin.*

· **Information about fire - and explosion protection:** *Protect against electrostatic charges.*

(Contd. on page 4)

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

Trade name: COE-PAK\_Base\_(Hard\_&amp;\_Fast\_Set)

(Contd. of page 3)

- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.

- **Ingredients with limit values that require monitoring at the workplace:**

#### 64-17-5 ethyl alcohol

WES (New Zealand)	Short-term value: 1520 mg/m <sup>3</sup> , 800 ppm
	Long-term value: 380 mg/m <sup>3</sup> , 200 ppm
	oto

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Avoid contact with the eyes and skin.  
Wash hands before breaks and at the end of work.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

### 9 Physical and chemical properties

- **General Information**

- **Appearance:**

- **Form:**

Pasty

- **Colour:**

According to product specification

- **Odour:**

Odourless

(Contd. on page 5)

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

Trade name: COE-PAK\_Base\_(Hard\_&amp;\_Fast\_Set)

(Contd. of page 4)

· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Initial boiling point and boiling range:</b>	Undetermined.
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gas):</b>	Not applicable.
· <b>Auto-ignition temperature:</b>	Undetermined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>water:</b>	Insoluble.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic at 20 °C:</b>	162 mPas
· <b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	1.7 %
· <b>Water:</b>	1.8 %
· <b>VOC (EC)</b>	17.8 g/l
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

#### 64-17-5 ethyl alcohol

Oral	LD50	7,060 mg/kg (rat (f+m))
Inhalative	LC50/4 h	20,000 mg/l (rat (f+m))

(Contd. on page 6)

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

**Trade name: COE-PAK\_Base\_(Hard\_&\_Fast\_Set)**

(Contd. of page 5)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.

### \* 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
- **NZS, ADN, IMDG, IATA** not regulated

(Contd. on page 7)



## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

Trade name: COE-PAK\_Base\_(Hard\_&amp;\_Fast\_Set)

(Contd. of page 6)

· <b>UN proper shipping name</b> · <b>NZS, ADN, IMDG, IATA</b>	<i>not regulated</i>
· <b>Transport hazard class(es)</b> · <b>NZS, ADN, IMDG, IATA</b> · <b>Class</b>	<i>not regulated</i>
· <b>Packing group</b> · <b>NZS, IMDG, IATA</b>	<i>not regulated</i>
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	<i>No</i>
· <b>Special precautions for user</b>	<i>Not applicable.</i>
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	<i>Not applicable.</i>
· <b>UN "Model Regulation":</b>	<i>not regulated</i>

### 15 Regulatory information

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

· **New Zealand Inventory of Chemicals**

*All ingredients are listed.*

· **HSNO Approval numbers**

64-17-5 ethyl alcohol

HSR001144

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** *Warning*

· **Hazard-determining components of labelling:**

*Resin G*

*Peppermint oil*

· **Hazard statements**

*Causes serious eye irritation.*

*May cause an allergic skin reaction.*

*Harmful to aquatic life with long lasting effects.*

· **Precautionary statements**

*Avoid breathing dust/fume/gas/mist/vapours/spray.*

*Contaminated work clothing should not be allowed out of the workplace.*

*Avoid release to the environment.*

*Wear protective gloves / eye protection / face protection.*

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

*Continue rinsing.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

(Contd. on page 8)



## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

**Trade name: COE-PAK\_Base\_(Hard\_&\_Fast\_Set)**

(Contd. of page 7)

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

- **Relevant phrases**

H225 Highly flammable liquid and vapour.  
 H227 Combustible liquid.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H411 Toxic to aquatic life with long lasting effects.

- **Department issuing SDS:** Regulatory affairs

- **Contact:** msds@gc.dental

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Flammable liquids Category 2: Flammable liquids – Category 2  
 Flammable liquids Category 4: Flammable liquids – Category 4  
 Skin irritation Category 2: Skin corrosion/irritation – Category 2  
 Eye irritation Category 2: Serious eye damage/eye irritation – Category 2  
 Skin sensitisation Category 1: Skin sensitisation – Category 1  
 Aspiration hazard Category 1: Aspiration hazard – Category 1  
 Hazardous to the aquatic environment chronic Category 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
 Hazardous to the aquatic environment chronic Category 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- **Sources**

- ECHA (<http://echa.europa.eu/>)
- EnviChem ([www.echemportal.org](http://www.echemportal.org))

- **\* Data compared to the previous version altered.**

This version replaces all previous versions.

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## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024


Version number 3

Revision: 02.07.2024

### 1 Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name:** COE-PAK Catalyst (Hard & Fast Set)
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Auxillary for dental technology
- **Details of the supplier of the safety data sheet**  
Henry Schein Dental  
  
243-249 Bush Road, Rosedale  
Auckland 0632, NEW ZEALAND  
  
Free Phone: 0800 808 855
- **Further information obtainable from:** Regulatory affairs
- **Emergency telephone number:** 0800 764 766 (National Poisons Centre)

### 2 Hazards identification

- **Classification of the substance or mixture**  
Hazardous to the aquatic environment acute Category 1 H400 Very toxic to aquatic life.  
Hazardous to the aquatic environment chronic Category 1H410 Very toxic to aquatic life with long lasting effects.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Exemptions**  
The product, regulated as an invasive medical device by the Regulation (EC) 2017/745, is exempted from labelling requirements for substances and mixtures (according to the provision of the Art 1.5).
- **Hazard pictograms**  
  
GHS09
- **Signal word** Warning
- **Hazard statements**  
Very toxic to aquatic life with long lasting effects.
- **Precautionary statements**  
Avoid release to the environment.  
Collect spillage.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 2)

-NZ-

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

Trade name: COE-PAK\_Catalyst\_(Hard\_&amp;\_Fast\_Set)

(Contd. of page 1)

· **vPvB:** Not applicable.

### 3 Composition/Information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:**

Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request.

- **Dangerous components:**

CAS: 1314-13-2 EINECS: 215-222-5	zinc oxide Hazardous to the aquatic environment acute Category 1, H400; Hazardous to the aquatic environment chronic Category 1, H410	25-<50%
CAS: 88-04-0 EINECS: 201-793-8	4-chloro-3,5-dimethylphenol Acute oral toxicity Category 4, H302; Skin irritation Category 2, H315; Eye irritation Category 2, H319; Skin sensitisation Category 1, H317	0.2-<0.5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

- **General information:** If symptoms persist consult doctor.
- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Take affected persons into fresh air and keep quiet.
- **After skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
No further relevant information available.
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

-NZ-

(Contd. on page 3)

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

Trade name: COE-PAK\_Catalyst\_(Hard\_&amp;\_Fast\_Set)

(Contd. of page 2)

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Remove persons from danger area.  
Wear protective clothing.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to penetrate the ground/soil.  
In case of seepage into the ground inform responsible authorities.
- **Methods and material for containment and cleaning up:**  
Absorb liquid components with liquid-binding material.  
Dispose of the material collected according to regulations.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:** Protective gloves
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 4)

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

Trade name: COE-PAK\_Catalyst\_(Hard\_&amp;\_Fast\_Set)

(Contd. of page 3)

· **Eye protection:** Safety glasses

### 9 Physical and chemical properties

- **General Information**
- **Appearance:**
- **Form:** Pasty
- **Colour:** According to product specification
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** Undetermined.
- **Flash point:** Not applicable.
- **Flammability (solid, gas):** Not applicable.
- **Auto-ignition temperature:** Undetermined.
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density at 20 °C:** 2.8 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with**
- **water:** Insoluble.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
- **Dynamic at 20 °C:** 730 mPas
- **Kinematic:** Not determined.
- **Solvent content:**
- **VOC (EC)** 0.0 g/l
- **Other information** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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(Contd. on page 5)

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

Trade name: COE-PAK\_Catalyst\_(Hard\_&amp;\_Fast\_Set)

(Contd. of page 4)

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· <b>LD/LC50 values relevant for classification:</b>	
88-04-0 4-chloro-3,5-dimethylphenol	
Oral	LD50 3,830 mg/kg (rat (f+m))

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 6)

-NZ-

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3



Revision: 02.07.2024

Trade name: COE-PAK\_Catalyst\_(Hard\_&amp;\_Fast\_Set)

(Contd. of page 5)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· <b>UN-Number</b> · <b>NZS, IMDG, IATA</b>	UN3082
· <b>UN proper shipping name</b> · <b>NZS</b> · <b>IMDG</b> · <b>IATA</b>	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)
· <b>Transport hazard class(es)</b> · <b>NZS</b>	
	
· <b>Class</b> · <b>Label</b>	9 (M6) Miscellaneous dangerous substances and articles. 9
· <b>IMDG, IATA</b>	
	
· <b>Class</b> · <b>Label</b>	9 Miscellaneous dangerous substances and articles. 9
· <b>Packing group</b> · <b>NZS, IMDG, IATA</b>	III
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	No Symbol (fish and tree)
· <b>Special marking (NZS):</b> · <b>Special marking (IATA):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Stowage Category</b>	Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F A
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.

(Contd. on page 7)

NZ



## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

Trade name: COE-PAK\_Catalyst\_(Hard\_&amp;\_Fast\_Set)

(Contd. of page 6)

· **Transport/Additional information:**

· **NZS**

· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **Transport category**

3

· **Tunnel restriction code**

(-)

· **IMDG**

· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 3082 ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (ZINC OXIDE), 9, III

### 15 Regulatory information

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

· **New Zealand Inventory of Chemicals**

All ingredients are listed.

· **HSNO Approval numbers**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS09

· **Signal word** Warning

· **Hazard statements**

Very toxic to aquatic life with long lasting effects.

· **Precautionary statements**

Avoid release to the environment.

Collect spillage.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category** E1 Hazardous to the Aquatic Environment

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

NZ

(Contd. on page 8)

## Safety Data Sheet in accordance with HSNO

Printing date 02.07.2024

Version number 3

Revision: 02.07.2024

**Trade name: COE-PAK\_Catalyst\_(Hard\_&\_Fast\_Set)**

(Contd. of page 7)

### 16 Other information

· **Relevant phrases**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

· **Department issuing SDS:** Regulatory affairs

· **Contact:** [msds@gc.dental](mailto:msds@gc.dental)

· **Abbreviations and acronyms:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Acute oral toxicity Category 4: Acute toxicity – Category 4
- Skin irritation Category 2: Skin corrosion/irritation – Category 2
- Eye irritation Category 2: Serious eye damage/eye irritation – Category 2
- Skin sensitisation Category 1: Skin sensitisation – Category 1
- Hazardous to the aquatic environment acute Category 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Hazardous to the aquatic environment chronic Category 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

· **Sources**

- ECHA (<http://echa.europa.eu/>)
- EnviChem ([www.echemportal.org](http://www.echemportal.org))

· **\* Data compared to the previous version altered.**

This version replaces all previous versions.

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