Safety Data Sheet

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008
Issuing Date: 22 February 2019 Revision Date: 01 December 2020 Version: 1.2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code : IMMRES-COV-1
Product Name : Immozyme RES-COV-1

1.2. Relevant identified uses of the substance or mixture and uses advised against Identified uses

For research use only.

Uses advised against : No information available

1.3. Details of supplier of SDS

ChiralVision
Hoog-Harnasch 44, NL-2623DL, Den Hoorn, The Netherlands +31 85 068 5558
www.chiralvision.com
Contact:
info@chiralvision.com
+31 85 068 5558

1.4. Emergency telephone number

+31 85 068 5558

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance/mixture
Regulation (EC) 1272/2008 [GHS]

Cat. 5	Warning	H313	Health	Dermal, acute toxicity
Cat. 2B	Warning	H320	Health	Serious eye damage/irritation
Cat. 1/1A/1B	Danger	H334	Health	Respiratory sensitization

2.2. Label elements
EC 1272/2008 [GHS]

Signal words: DANGER! WARNING!

Hazard statements:

H313 - May be harmful in contact with skin
H320 - Causes eye irritation
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection.
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/physician.
P261: Avoid breathing dust.
P284: Wear respiratory protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P304 + P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P273: Avoid release to the environment.

2.3. Other hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances / 3.2 Mixtures

Chemical	Cas-no.	%	EINECS	IUB-code	CLP-classification
Enzyme protein	9001-62-1	<10	232-619-9	3.1.1.3	Resp. sens. 1, H334
Copolymer of methacrylate, cross-linked, containing oxirane groups			Not hazardous according to regulation (EC) 1272/2008 [GHS]		

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

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

Inhalation: Move to fresh air. If experiencing respiratory symptoms: Call a poison center or doctor/physician.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs: Get medical advice/attention.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person, if symptoms persist, call a physician, not an expected route of exposure

4.2. Most important symptoms and effects, both acute and delayed

Main Symptoms No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically. No information available

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media**:** No information available

5.2. Special hazards arising from the substance or mixture

Unknown

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation.

For emergency responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Not applicable

6.3. Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

See section 8 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

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

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep container tightly closed in a dry and well-ventilated place.

Incompatible products: None known based on information supplied.

7.3. Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits Ingredients with workplace control parameters.

Derived No Effect Level (DNEL): No information available.

Predicted No Effect Concentration (PNEC): No information available.

8.2. Exposure controls

Engineering Measures Apply technical measures to comply with the occupational exposure limits. For rescue and maintenance work in storage tanks use self-contained breathing apparatus.

Personal Protective Equipment

Eye/Face Protection	If splashes are likely to occur, wear: Safety glasses with side-shields
Hand Protection	Protective gloves.
Skin and body protection	Wear suitable protective equipment, Boots
Respiratory protection	None under normal use conditions.
Environmental Exposure Controls	The product should not be allowed to enter drains, water courses or the soil.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State: solid

Appearance: beads

Color: No information available

Chemical properties

Property	Value	Property	Value
pH VALUE	No information available	Relative density	No information available
Melting point/freezing point	No information available	Water Solubility	Not applicable
Boiling point/boiling range	No information available	Solubility in other solvents:	No information available
Flash point	No information available	Partition coefficient:	No information available
Evaporation Rate	No information available	Autoignition temperature:	No information available
Flammability (solid, gas)	No information available	Decomposition temperature	No information available
Flammability Limit in Air (upper & lower)	No information available	Viscosity, (kinematic & dynamic)	No information available
Vapor pressure	No information available	Explosive properties	No information available
Vapor density	No information available	Oxidizing Properties	No information available

9.2. Other information

Softening point:	No information available	Molecular Weight:	No information available
VOC Content (%):	No information available	Odor:	No information available
Density VALUE:	No information available	Odor Threshold:	No information available
Bulk Density:	No information available		

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity: No data available

10.2. Chemical stability: Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact: No information available.

Sensitivity to Static Discharge: No information available.

10.3. Possibility of hazardous reactions: None under normal processing.

10.4. Conditions to avoid: None known based on information supplied.

10.5. Incompatible materials: No information available.

10.6. Hazardous decomposition products: None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information

Inhalation: There is no data available for this product.

Eye contact: There is no data available for this product.

Skin contact: There is no data available for this product.

Ingestion: There is no data available for this product.

Skin corrosion/irritation:	No information available.	**Carcinogenic effects:**	No information available.
Serious Eye Damage/Eye Irritation:	No information available.	**Reproductive toxicity:**	No information available.
Sensitization:	No information available.	**STOT - Single Exposure:**	No information available.
mutagenic effects:	No information available.	**STOT - Repeated Exposure:**	No information available.
		Aspiration Hazard:	No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

100 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

Mobility

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products:

Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging: Dispose of in accordance with local regulations.

Section 14: TRANSPORT INFORMATION

IMDG/IMO	
14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental Hazard	Not Applicable
Marine pollutant	Not regulated
14.6 Special Provisions	None

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

No information available

RID	
14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental Hazard	Not Applicable
14.6 Special Provisions	None

ADR/RID	
14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental Hazard	Not Applicable
14.6 Special Provisions	None

ICAO/IATA	
14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental Hazard	Not Applicable
14.6 Special Provisions	None

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants	Not applicable
Ozone-depleting substances (ODS) regulation (EC) 1005/2009	Not applicable
International Inventories	For research use only
TSCA United States Toxic Substances Control Act Section 8(b) Inventory	-
DSL/NDSL Canadian Domestic Substances List/Non-Domestic Substances List	-
EINECS/ELINCS European Inventory of Existing Chemical Substances /European List of Notified Chemical Substances	-
ENCS Japan Existing and New Chemical Substances	-
IECSC China Inventory of Existing Chemical Substances	-
KECL Korean Existing and Evaluated Chemical Substances	-
PICCS Philippines Inventory of Chemicals and Chemical Substances	-
AICS Australian Inventory of Chemical Substances	-

15.2. Chemical safety assessment

Chemical Safety Assessment: No information available

Section 16: OTHER INFORMATION

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

Notice to Purchaser:

Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans.

End of Safety Data Sheet