



SAFETY DATA SHEET

In accordance with ISO 11014: 2009

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product code 3-CO1-001

3-CO2-001

Product name Cha o 1, Purified Cypress Pollen Allergen

Cha o 2, Purified Cypress Pollen Allergen

Manufacture/supplier

Manufacture/supplier Institute of Tokyo Environmental Allergy, ITEA Inc.

Department in Charge Quality Assurance Sec.

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Recommended use and restriction on use

Recommended use Research reagent

Restrictions on use This product should not be used for applications other than those recommended.

Section 2: HAZARDS IDENTIFICATION

Important hazards

GHS classification

Physical HazardsNot classifiedHealth HazardsNot classifiedEnvironmental HazardsNot classified

Label Elements

PictogramNot classifiedSignal wordNot classifiedHazard StatementsNot classifiedPrecautionary StatementsNot classified

Other hazards No information

Important symptoms and an outline of an anticipated emergency

No information

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Compositions

Chemical name/ Generic name	CAS number	Concentration (wt %)
Water	7732-18-5	<u><</u> 94.00
Allergen protein (*1)	-	<u>></u> 4.99
Sodium chloride	7647-14-5	<u>≤</u> 0.73
Sodium phosphate dibasic heptahydrate	7782-85-6	<u>≤</u> 0.24
Potassium dihydrogenphosphate	7778-77-0	<u>≤</u> 0.02
Potassium chloride	7447-40-7	<u>≤</u> 0.02

^{*1} The allergen protein of each product is the following:

3-CO1-001: Cha o 1, Cypress pollen allergen (CAS number: -)





3-CO2-001: Cha o 2, Cypress pollen allergen (CAS number: -)

Section 4: FIRST-AID MEASURES

First aid procedures

IF INHALED Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

If you feel unwell, get medical advice/attention immediately and at rest.

IF ON SKIN Rinse with plenty of water.

If abnormality, immediately get medical advice/attention.

IF IN EYES Immediately rinse cautiously with water for 15 - 20 minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately get medical advice/attention.

IF SWALLOWED Rinse mouth. Immediately get medical advice/attention.

Anticipated acute effects, anticipated delayed effects and most important symptoms/effects

May cause skin, eyes and respiratory system irritation or cause allergic reaction if contact with or inhaled this product.

Protection of first-aiders

Wear appropriate eyes and skin protective equipment.

Note to an attending physician

No information

Section 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

In case of fire, use water spray, dry extinguishant, fire foam or carbon dioxide.

Unsuitable extinguishing media

No restrictions on extinguishing media for this product.

Specific hazards arising from the chemical

Take action from windward.

Keep out except responsible personnel.

Move container to a safe area if it can be done without risk.

Protective equipment and precautions for firefighters

Fire fighters should wear appropriate protective equipment and fireproof clothing.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment described in section "Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION".

Environmental precautions

Prevent to flowing into drains, sewers, basements or closed areas.

Methods and materials for containment and cleaning up

Absorb into liquid absorbent, etc., and collect in an empty container.

Secondary disaster prevention measures

No information

Section 7: HANDLING AND STORAGE





Handling

Technical measures Install appropriate equipment and wear suitable protective apparatus

described in section "Section 8: EXPOSURE CONTROLS AND

PERSONAL PROTECTION".

Precautions such as local Handle the product in a well-ventilated area.

/total ventilation In case of mist/vapours generation, use local ventilation.

Precautions for safe handling Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Prevention of contact Avoid direct sunlight, high temperature.

Storage

Technical measures Store in a biomedical freezer at -20°C or less.

Incompatible materials and mixtures

Conditions for safe storage

Packing material

No information

Store at -20°C or less.

Polypropylene

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentration

Occupational Exposure Limits

Does not contain ingredients for which occupational exposure limits have been established.

Engineering controls

Odour

Use eye wash stations, ventilation systems, etc. if necessary.

Personal protective equipment

Respiratory protection Wear an appropriate protective mask.

Hand protection Wear protective gloves.

Eye protection Wear safety glasses .

Skin and body protection Wear a lab coat.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, form and colour) Clear and colourless liquid (frozen solution)

No information

Odour threshold No information $7.2 \sim 7.6$ No information Melting point/ freezing point Boiling point, initial boiling point and boiling range No information No information **Flashpoint** No information **Evaporation rate** No information Flammability Upper/lower explosive limits No information Vapour pressure No information Vapour density No information Specific gravity No information

Solubility This product is miscible with water.

n -octanol/water partition coefficientNo informationAuto-ignition temperatureNo informationDecomposition temperatureNo informationViscosityNo informationOther informationNo information

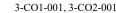
Section 10: STABILITY AND REACTIVITY

Chemical stability Stable under normal handling condition.

Hazardous reactions No hazardous reaction expected under normal handling.

Conditions to avoid Direct sunlight, high temperature

Incompatible materialsNo information





Hazardous decomposition products

No information

Section 11: TOXICOLOGICAL INFORMATION

Toxicological information for productNo information

Toxicological information for ingredientsNo information

Section 12: ECOLOGICAL INFORMATION

Ecological information for product

Ecotoxicity No information
Persistence and degradability No information
Bioaccumulative potential No information
Mobility in soil No information
Hazardous to the ozone layer No information

Ecological information for ingredientsNo information

Section 13: DISPOSAL CONSIDERATIONS

Remaining product

Dispose of waste in accordance with applicable local, regional and international regulations and standards.

Contaminated containers and packaging

When dispose of empty containers, contents should be removed completely and be recycled or dispose of in compliance with related laws and local regulations.

Section 14: TRANSPORT INFORMATION

International regulation

UN number Not applicable
UN proper shipping name Not applicable
Transport hazard class(es) Not applicable
Subsidiary risk Not applicable
Packing group Not applicable
Marine pollutant Not applicable
IBC Code Not applicable

When transporting, confirm no damage to containers. Avoid handling violently or leaking wet. Load to prevent fall or falling down containers and take preventive measures of collapse.

Section 15: REGULATORY INFORMATION

US Federal regulation

TSCA inventory: Registered Sodium chloride

Potassium dihydrogenphosphate

Potassium chloride

EU regulation

The product and its ingredients are not regulated by specific provisions related to protection of human health or the environment at EU level, e.g. not considered as SVHCs or POPs.

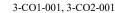
(EC) 1272/2008 (Annex VI, Table 3): Not Listed

Section 16: OTHER INFORMATION

Reference

Information of Institute of Tokyo Environmental Allergy, ITEA Inc.

NITE GHS classification results (http://www.safe.nite.go.jp/ghs/list.html). (2018)





ACGIH, American Conference of Governmental Industrial Hygienists (2018) TLVs and BEIs.

[Disclaimer]

This SDS has been prepared on the basis of laws, regulations and information available at this time. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.