

SAFETY DATA SHEET

Creation Date : 2017/12/01

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical name : CLODEWASH MOBILE PACK
Manufacturer/Supplier : VIET NAM ENVROY JOINT STOCK COMPANY.
Address : Tan Thanh Cluster , Quynh Thien Ward, Hoang Mai District, Nghe An Province, Vietnam.
Telephone : +84-2386-266-669
Emergency phone number : +84-981-179-504
Recommended Use and Restriction on Use:
Deodorant, Fungicide, and Decay Preventive Agent for Commercial and International Use

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification

Not applicable to classification.

GHS label :

Symbols : No symbol
Signal words : No signal word
Hazard statements : No hazard statement

Precautionary statements

【Prevention】

Do not drink.
Avoid direct contact to body.
Do not open or cut container bag containing granule material.

【Response】

If swallowed, rinse mouth.
If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing.
If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. When there is persisting irritation, consult an ophthalmologist.
If skin irritation occurs, get medical advice/attention.
If eye irritation persists, get medical advice/attention.
Call a hospital or doctor if you feel unwell.

【Storage】

Avoid freezing.
Avoid sunlight or high temperature.

【Disposal】

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

Other hazards which do not result in classification:

Weakly irritant if concentrated.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Classification of the substance or mixture : Mixture

Chemical name or generic name	Content	Chemical formula	Reference number in gazetted list in Japan		CAS No..
			METI No. (ENCS No.)	ISHL No.	
Sodium Chlorite	Less than 1 ppm	NaClO ₂	(1)-238	Published	7758-19-2
Sepiolite	More than 99%	H ₂ O ₃ Si.xH ₂ O.2/3Mg	(1)-468	Published	63800-37-3

METI No. (ENCS No.): Chemical Inventory of Act on the Evaluation of Chemical Substances and Regulation of Their
Manufacture, etc. (Chemical Substance Control Law: CSCL).

ISHL No.: Chemical Inventory of the Industrial Safety and Health Act (Law).

SECTION 4-FIRST AID MEASURES

Inhalation : In case of feeling unwell by inhalation of vapor/gas, move into fresh air and keep at rest, and if uncomfortable seek medical assistance.

Skin contact : Almost not irritant.
If you feel unwell, seek medical assistance.

Eyes contact : If in eyes, immediately rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. When there is persisting irritation, consult an ophthalmologist.

Ingestion : If ingested accidentally, as toxicity is low, make calm and let the foreign body in the mouth spit. Get medical attention if necessary.

Protection for first-aids :

Provide ventilation. This product is not hazardous, but if necessary wear safety equipments (safety goggles, safety mask, safety gloves).

Special notes for doctors : Not available.

SECTION 5-FIRE FIGHTING MEASURES

Extinguishing media :

Plenty of water.

Prohibited media :

Carbon dioxide.

Specific hazards with regard to fire-fighting :

Not available.

Special fire fighting procedures:

Extinguish the fire from the windward side of the fire with suitable extinguishing media.

For large fire, use foam. Prevent fire spread by spray water around fire.

Tightly closed containers exposed to excessive heat should be cooled by watering.

Special protective equipment and precautions for fire-fighters :

Wear proper protection (self-contained breathing apparatus, heat resistant clothes etc.)

SECTION 6-ACCIDENTAL RELEASE MEASURES

Personal precautions (protective equipment and emergency measures):

Not available.

Environmental precautions:

Not available.

Methods and materials for containment and cleaning up:

For small spill: After wiping off with paper towel and wasted clothes, etc., flush with adequate water and allow to evacuate through the sanitary system.

For large spill: Dike with soil or sand to prevent spreading leaked material. Spread water on the contaminated surface and allow to evacuate through the sanitary system. When cleaning with water, take caution not to enter streams and not to cause environmental pollution.

Prevention of secondary hazards:

Avoid contact with strong acid or chlorinated agent.

SECTION 7-HANDLING AND STORAGE

Handling

Technical measures:

Avoid fire, spark, high temperature things around this substance.

Precautions for safe handling:

Equip emergency eye wash or body wash equipment close to handling area.

When suspending flexible container bags by a crane or a forklift, be careful not to strip. Do not enter under the flexible container bags during suspending. If you need to enter, a pedestal of the flexible container bags should be installed.

Specific hygiene measures:

Not available.

Storage

Safe storage condition :

(technical measures)

Avoid direct sunlight or high temperature.

Keep in well ventilated area.

Prevent from freezing.

Take certain measures to avoid dropping/falling.

(Incompatible materials)

Keep away from strong acids or chlorinated agent.

Safe packaging materials:

(Recommended materials)

Polyethylene, glass.

SECTION 8-EXPOSURE CONTROL/PERSONAL PROTECTION

Administrative level : [Sepiolite]
3.0/(1.19Q+1)mg/m³ Q:free silica (%)

Occupational exposure limits:

ACGIH

Chemical name	TLV-TWA	STEL	Ceiling	Skin	Sensitization	Year
Chlorine Dioxide	0.1 ppm	0.3 ppm	-	Not established	Not established	2012

Chemical name	TLV-TWA	Year
PARTICLES (INSOLUBLE OR POORLY SOLUBLE) NOT OTHERWISE SPECIFIED	3 mg/m ³ (respirable dust), 10 mg/m ³ (inhalable dust)	2012

OSHA

Chemical name	Permissible Exposure Limits (PELs)	Year
PARTICULATES NOT OTHERWISE REGULATED	5 mg/m ³ (respirable dust), 15 mg/m ³ (Total dust)	-

Japan Society for Occupational Health

Chemical name	Occupational exposure limits (OEL)	Year
DUSTS CONTAINING LESS THAN 10% FREE SILICA	1 mg/m ³ (respirable dust), 4mg/m ³ (Total dust)	2011

Equipment measures	: Consideration must be given to workers not to touch directly.
Personal protection equipments	
Respiratory protection	: Not required.(For this product with container)
Hand protection	: Not required.(For this product with container)
Eye protection	: Not required.(For this product with container)
Skin and body protection	: Not required.(For this product with container)
Precautions for specific condition	: Not available.

SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	: Solid
Physical form	: Granules
Color	: White - pale brown
Odor	: Odorless
pH	: Not available.
Melting point	: 1,550 °C
Boiling point,	: Not available.
Flash point	: Not available.
Flammability (solid, gas)	: Not available.
Flammability or explosion limit	Not available.
upper limit/lower limit	:
Vapor pressure	Not available
Relative weight	Not available
Solubility in water	: Practically insoluble.
Solubility in solvent	: Not available.
Decomposition temperature	: Not available.
Others	: No information.

SECTION 10-STABILITY AND REACTIVITY

Stability (Possibility of hazardous reaction)

Reactivity	: Not available.
Chemical stability	: Stable at normal conditions of handling.
Condition to avoid	: Contact with metal such as iron or aluminium. Contact with acid/base compounds or sulfur compounds.
Incompatible materials	: Metal such as iron or aluminum
Hazardous decomposition products	: Magnesium oxide, silicon oxides, may be formed.

SECTION 11- TOXICOLOGICAL INFORMATION

Acute toxicity (oral)	: [Sodium Chlorite] Rat LD ₅₀ 105 mg/kg (FSC Food Additives Evaluation (June 19, 2008)) [This product] Rat LD ₅₀ 105000000 mg/kg calculated by GHS dilution bridging principle.
Acute toxicity (skin)	: [Sodium Chlorite] Rat LD ₅₀ 157.5 mg/kg (IUCLID 2000) Rabbit LD ₅₀ 107.2 mg/kg (IUCLID 2000) [This product] Rabbit LD ₅₀ 107200000 mg/kg calculated by GHS dilution bridging principle.
Acute toxicity (inhalation: dusts and mists)	: [Sodium Chlorite] Rat LC ₅₀ 0.29 mg/L (HSDB) [This product] Rat LC ₅₀ 290000 mg/L calculated by GHS dilution bridging principle.
Skin corrosion/irritation	: Almost not irritant. Inner granules of this product may cause slight irritation or redness after long or repeatedly mechanical contact.
Serious eye damage/eye irritation	: Almost not irritant. Inner granules of this product may cause irritation after mechanical contact.
Respiratory sensitization	: Not available.
Skin sensitization	: Not available.
Germ cell mutagenicity	: [Sodium Chlorite] Not critical effect was observed . (FSC Food Additives Evaluation (June 19, 2008))
Carcinogenicity	: [Sodium Chlorite] No tumor was observed by 2 years drinking challenge test. (FSC Food Additives Evaluation (June 19, 2008)) [Sepiolite] IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Monograph 68, 1997)
Reproductive toxicity	: Not available.
STOT* (Single exposure)	: Not available.
STOT* (Repeated exposure)	: Not available.
* STOT : Specific target organ toxicity	
Aspiration hazard	: Not available.
Other toxicity	: [Sodium Chlorite] Rat (via drinking water) NOAEL 2.9 mg/kg bw/day as chlorite ion ADI 0.029 mg/kg bw/day as chlorite ion (FSC Food Additives Evaluation (June 19, 2008)). [This product] This product is designed not to exceed ADI of Sodium Chlorite (0.029 mg/kg bw/day as chlorite ion).

SECTION 12- ECOLOGICAL INFORMATION

Ecotoxicity data

Aquatic toxicity (Acute)

Crustaceans : [Sodium Chlorite]
Daphnia Magna ED₅₀ 0.0146 ppm (AQUIRE(2003))
[This product]
ED₅₀ 14600 ppm(mg/L)
calculated by GHS dilution bridging principle.

Aquatic toxicity (Chronic) : Not available.

Persistence and degradability : Not available.

Mobility in soil : Not available.

Hazardous to the ozone layer : Not available.

Others : Not available.

SECTION 13-DISPOSAL CONSIDERATIONS

Residual waste: :

Dispose of contents in accordance with local/regional regulations.

Contaminated containers and packaging:

Dispose of contents in accordance with local/regional regulations.

SECTION 14-TRANSPORT INFORMATION

International regulation

Marin transport (IMDG)

UN Class : Not regulated.

Proper shipping name : Not regulated.

UN number : Not regulated.

Packing group : Not regulated.

Marine pollutant : (Yes or No) No

Noxious liquid substances under MARPOL 73/78 Appendix II and IBC code :
(Yes or No) No

Air Transport (ICA/IATA)

UN Class : Not regulated.

Proper shipping name : Not regulated.

UN number : Not regulated.

Packing group : Not regulated.

Special safety measure:

Confirm no leakage and no overspill from a container. Take in a cargo of them without turnover, falling down and damage, ensure to prevent breaking during transportation. See Section 7 for proper handling and storage

Emergency Response Guide No.: Not available.

SECTION 15-REGULATORY INFORMATION

JAPAN:

Law concerning Reporting, etc. of Release to the Environment of Specific Chemical Substances and Promoting Improvements in their Management (PRTR act) : : Not regulated.

Industrial Safety and Health Act Enforcement Ordinance 18-2	: Not regulated.(Chlorine Dioxide<1%)
Poisonous and Deleterious Substances Control Law	: Not regulated. (Sodium Chlorite <25%)
Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	: Not regulated
Fire Service Act	: Not regulated

SECTION 16-OTHER INFORMATION

Manufacturer: VIET NAM ENVROY JOINT STOCK COMPANY.

References and sources

- [1] FSC(Food Safety Commission) Food Additives Evaluation (June 19, 2008).
- [2] HSDB.
- [3] IUCLID 2003
- [4] AQUIRE(2003)

Disclaimer:

The information in this SDS was obtained from current and reputable sources. However, data and evaluation are provided without any warranty for safety. As it is assumed any chemical product has unknown hazard, extreme caution is required for handling. It is the user's responsibility to determine safe conditions for use of this product.