

Material Safety Data Sheet

(Produced M.S.D.S)

1. Product and Company Identification

A. Product Name	Dr.Clo for home
B. Restrictions on recommendations	
Products Recommended Use	Not applicable
Product Usage restrictions	Not applicable
C. Manufacturer	
Company Name	NON CO ,. Ltd.
Address	201, Daehak-ro, Chubu-myeon, Geumsan-gun, Chungcheongnam-do, Academic Cooperation 302-1, 32713 Korea
Emergency phone	+82-41-752-4147

2. Hazards Identification

A. Hazardous Risk classification	Not applicable
B. GHS label elements, including	
precautionary statements	
Pictograph	Not applicable
Neologisms	
Hazard statement	Not applicable
Precautionary Statements	Not applicable
Prevention	Not applicable
Response	Not applicable
Storage	Not applicable
Dispose	Not applicable
C. National Fire Protection Association(NFPA)	
Health	0
Fire	0
Reactivity	0

3. COMPOSITION

Substance 1

Substance Name	water
Synonym	Distilled Dater, Deionized Water
CAS No.	7732-18-5
Content(%)	less than 89.8%

Substance 2

Substance Name	Gelatine
Synonym	Gelatins
CAS No.	9000-70-8
Content(%)	less than 7%

Substance 3

Substance Name	Sodium chlorite
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Synonym	Sodium chlorite
CAS No.	7758-192
Content(%)	less than 0.9%

Substance 4

Substance Name	Citric acid
Synonym	Citric acid
CAS No.	77-92-9
Content(%)	less than 0.7%

Substance 5

Substance Name	Trade Secret
Synonym	
CAS No.	Trade Secret
Content(%)	less than 1.2%

Substance 6

Substance Name	Trade Secret
Synonym	
CAS No.	Trade Secret
Content(%)	less than 0.4%

4. First Aid Measures

A, Eyes	Immediately flush eyes while holding eyelid open, with water for at least 20 minutes. Seek medical attention if irritation persists.
B, Skin	Remove contaminated clothing and launder before wearing. Wash exposed skin with soap and water (waterless hand cleaner may be used if clean water is not readily available). Seek medical attention if irritation persists.
C. Inhalation	Ensure your own safety and use the appropriate respiratory protection to immediately remove the victim to an area free of contaminants. Give CPR or artificial respiration as needed and give oxygen if breathing is difficult. Keep victim at rest and get immediate medical attention.
D. Ingestion	Do not induce vomiting because of the danger of aspiration of liquids into the lungs. Obtain immediate medical attention.
E. Notes to physician	Medical staff know about the substance protection please

5. Fire Fighting Measures

A. EXTINGUISHING MEDIA	SUITABLE: Extinguishing powder, carbon dioxide, regular foam UNSUITABLE: Not applicable Small Fires: Keep dry chemical fire extinguishers available. Large Fires: Use extinguishing agent suitable for surrounding fire.
B. HAZARDOUS COMBUSTION PRODUCTS	Will not support combustion. Not have smoke emission. Rarely considered as a fire hazard.
C. Wear protective equipment during fire fighting operations	Please move your risk in the topic area. Please note that during high heat potentially explosive. Watch out for substance itself inhalation.

6. Accidental Release Measures

A. Precautions, protective equipment and emergency humans	ACTIVATE SITE SPECIFIC EMERGENCY RESPONSE PLAN, IF AVAILABLE. CALL Emergency Response Activation Telephone Number. Keep unauthorized personnel away and stay upwind. Protect bodies of water by dyking, if possible.
B. Measures to Protect the Environment	Not applicable
C. Methods for cleaning up	Not applicable

7. Handling and Storage

A. HANDLING PRECAUTIONS	Wash thoroughly after handling. DO NOT drink or siphon by mouth.
B. STORAGE PRECAUTIONS	Outside storage is recommended. Please pay attention to the temperature. Please note that materials and conditions to avoid.

8. Exposure Controls / Personal Protection

A. Exposure of the chemical and biological exposure limits, etc.	
Domestic regulation	No relevant data
ACGIH Provision	No relevant data
Biologically exposure limits	Not applicable
B. ENGINEERING CONTROLS	Ensure your own safety and use the appropriate respiratory protection. Showers and/or eyewash fountains should be provided within the immediate work area for emergency use when there is any possibility of liquids splashing.
A. PERSONAL PROTECTIVE EQUIPMENT	
Eye/Face Protection	Wear safety glasses with side shields when handling this product.
Respiratory Protection	Respiratory protection is not anticipated.
Skin Protection	Avoid skin contact.

9. Physical and Chemical Properties

A. Appearance	
Shaped	Solid + liquid
Colors	Transparent
B. Odor	Odorless
A. Odor Threshold	Not applicable
B. pH	5~8
C. Melting / freezing point	-2°C
D. Initial boiling point and boiling range	85~100°C
E. Flash point	Not applicable
F. Evaporation rate	Not relevant data
G. Flammability (solid, gas)	Not relevant data
H. Upper/lower flammability or explosive limits	Not applicable
I. Vapour pressure	Not applicable
J. Solubility	Not relevant data
K. Vapor Density	Not applicable
L. Specific gravity	1.0 to 1.2
M. n-octanol/water partition coefficient	Not applicable
N. Auto-ignition temperature	Not applicable
O. Decomposition Temperature	Not applicable
P. Viscosity	Not applicable
Q. Molecular Weight	Not applicable

10. Stability and Reactivity

A. STABILITY	Stable
B. CONDITIONS TO AVOID (STABILITY)	Material is stable under normal conditions.
C. INCOMPATIBLE MATERIALS	Not applicable.
D. HAZARDOUS DECOMPOSITION PRODUCTS	Not applicable.
HAZARDOUS POLYMERIZATION	Will Not Occur.

11. Toxicological Information

A. Information on the likely routes of exposure	Not applicable.
B. Health Hazard Information	
Acute toxicity	Not relevant data
An oral	Not relevant data
Skin	Not relevant data
Suction	Not relevant data
Skin corrosive or irritant	Not applicable.

Serious eye damage or irritation	Not applicable.
Respiratory sensitization	Not applicable.
Skin sensitization	Not applicable.
Carcinogenic	
Occupational Health and Safety Act	Not relevant data
Ministry of Employment and Labor	Not relevant data
IARC	Not relevant data
OSHA	Not relevant data
ACGIH	Not relevant data
NTP	Not relevant data
EU CLP	Not relevant data
Germ cell mutagenicity	Not applicable.
Reproductive toxicity	Not applicable.
Specific target organ toxicity (single exposure)	Not applicable.
Specific organ toxicity (repeated exposure)	Not applicable.
Aspiration hazard	Not applicable.

12. Ecological Information

A. Ecotoxicological	
Fishes	Not relevant data
Crustacea	Not relevant data
Algae	Not relevant data
B. Persistence and degradability	
Residues	Not relevant data
Degradability	Not relevant data
C. Bioaccumulative	
Enriched	Not relevant data
Biodegradable	Not relevant data
D. Mobility in soil	Not relevant data
E. Other adverse effects	Not relevant data

13. Disposal Considerations

A. Disposal methods	Dispose of contents and containers in accordance with the Waste Management Act Provision
B. Disposal considerations	Please consider the notes specified in Provision on waste management

14. Transport Information

A. UN No.	UN transport hazard class: None
B. PROPER SHIPPING NAME	Not applicable.
C. Transport hazard class	Not applicable.
D. Packing group	Not applicable.
E. Marine contaminants	Not applicable.
Fire emergency	Not applicable.
Spills emergency response	Not applicable.

USA management information (EPCRA 313 Regulation)	Not applicable.
USA management information (Rotterdam Convention material)	Not applicable.
USA management information (Stockholm Convention material)	Not applicable.
USA management information (Montreal Protocol substances)	Not applicable.
EU classification information (Classification)	Not applicable.
EU classification information (risk phrases)	Not applicable.
EU classification information (Safety phrases)	Not applicable.

15. Other Information

A. The source of the displayed data	Korea Industrial Complex Material Safety Data Sheet, chemical products Dictionary, National Institute of Environmental Research Chemical Information Systems, National Emergency Management Agency Hazardous Materials Information Management System
B. First Date	October 8, 2019
C. Revision number and date of last revision	
Revision number	0
Revision Date	0
D. Others	