



MATERIAL SAFETY DATA SHEET

DAEHEUNG CHEMICAL CO., LTD. [www.dhcbond.co.kr](http://www.dhcbond.co.kr)



Product Name	D-502
--------------	-------

1. Product and Company Identification

- A. Product Name D-502
- B. Recommended use of the chemical and restrictions on use
- Recommended use of the chemical Adhesion for general wood, veneer, architectural panel
  - Restrictions on use of the product Do not use for purposes other than adhesive.
- C. Manufacturer/Supplier/Distributor Information
- Name DAEHEUNG CHEMICAL CO., LTD.
  - Address 68, Sandan-ro 64beon-gil, Pyeongtaek-si, Gyeonggi-do, Korea
  - Emergency phone number 82-31-668-1424

2. Hazards identification

- A. Hazard-Risk Classification
- Skin Corrosion/Irritation : Category 2
- Serous Eyes Damage/Eye Irritation : Category 2

B. Label elements including precautionary statements

- Symbol



- Signal Word Danger
- Hazard-Risk Statement
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- Precautionary Statement
- Prevention
- P264 Wash thoroughly after handling
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- Response
- P302+352 IF ON SKIN : Wash with soap and water
- P305+351+338 IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P321 Specific treatment (see 4 on this label)
- P332+313 If skin irritation occurs: Get medical advice/attention
- P337+313 If eye irritation persists get medical advice/attention
- P362 Take off contaminated clothing and wash before reuse
- Storage
- Not data available

3. Composition/Information on ingredients

Chemical Name	Other name	CAS number	Content(%)
Water	-	7732-18-5	67~70
Polyvinyl Acetate	PVAc	9003-20-7	30~32

1,2-Cyclohexanedicarboxylic acid, diisononyl ester	Cyclohexane-1,2-dicarboxylic acid diisononyl ester	166412-78-8	1~3
--	--	-------------	-----

4. First aid measures	
A. Eye contact	<p>IF IN EYES: Rinse cautiously with water for several minutes. If possible, remove contact lenses. Keep washing.</p> <p>If eye irritation persists, seek medical advice/attention.</p>
B. Skin contact	<p>For hot substances, immerse or rinse the affected area in large amounts of cold water to dissipate heat.</p> <p>Get emergency medical attention</p> <p>Remove contaminated clothing and shoes and isolate contaminated area</p> <p>In case of contact with substance, immediately flush skin and eyes with running water for at least 20 minutes.</p> <p>Prevent the spread of contaminated areas in case of minor skin contact.</p> <p>If skin irritation occurs, seek medical advice/attention.</p> <p>Take off contaminated clothing and wash before reuse.</p>
C. Inhalation	<p>If not breathing, give artificial respiration.</p> <p>If breathing is difficult, give oxygen</p> <p>Move to a place with fresh air</p> <p>Keep it warm and calm</p>
D. Ingestion	<p>Do not give anything by mouth to an unconscious person</p> <p>Get emergency medical attention</p> <p>If unconscious and breathing, lay on your side.</p>
E. Indication of immediate medical attention and notes for physician	Medical personnel are aware of the material and to take precautions to protect.
5. Fire-Fighting measures	
A. Suitable extinguishing media	Water spray, dry powder, foam, carbon dioxide
B. Special hazard arising from the substance or Mixture	<p>Fire may produce irritating, corrosive and/or toxic gases.</p> <p>Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.</p>
C. Advice for fire-fighters	<p>Wear positive pressure self-contained breathing apparatus (SCBA).</p> <p>Move containers from fire area if you can do it without risk.</p>
D. Other information	This is a water-based product and presents no particular fire or explosion hazard.
6. Accidental release measures	
A. Personal precautions, protective equipment and emergency procedures	<p>Use appropriate personal protective equipment.</p> <p>Use appropriate personal protective equipment as stated.</p> <p>Avoid contact with the skin and the eyes.</p>
B. Environmental precautions and protective procedures	Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.
C. Methods and materials for containment and cleaning up	<p>Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).</p> <p>Keep in suitable, closed containers for disposal.</p> <p>Contaminated equipment (brushes, rags) must be cleaned immediately with water.</p> <p>Dispose of in accordance with local regulations.</p>
7. Handling and storage	

A. Precautions for safe handling	Use only in a well-ventilated area. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling.
B. Conditions for safe storage (including any incompatibilities)	Keep tightly closed in a dry and cool place. No special technical protective measures required.

## 8. Exposure controls & personal protection

A. Control parameters (e.g. occupational exposure limit values, biological limit values)	
– Occupational exposure limit values	No data available
– ACGIH	No data available
– Biological exposure limits	No data available
B. Appropriate engineering controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
C. Personal protective equipment	
– Respiratory protection	IF necessary, the protection wear chemical stability.
– Eye protection	Use chemical splash goggles and face shield.
– Hands protection	If necessary, the chemical safety wear protective gloves.
– Body protection	If necessary, the chemical safety wear protective clothing.

## 9. Physical and chemical properties

A. Appearance	Milky white emulsion
B. Odour	Low ammonia odor
C. Odour threshold	No data available
D. pH	4.5 ± 0.5
E. Melting point/freezing point	0 °C
F. Initial boiling point and boiling range	100 °C
G. Flashing point	No data available
H. Evaporation rate	No data available
I. Flammability(solid, gas)	No data available
J. Upper/lower flammability or explosive limits	No data available
K. Vapor pressure	23 hpa at 20°C
L. Solubility	Partially dissolved
M. Vapor density	No data available
N. Relative density	Approximately 1.05
O. Partition coefficient:n-octanol/water	No data available
P. Auto-ignition temperature	No data available
Q. Decomposition temperature	No data available
R. Viscosity	20,000±3,000 cps
S. Molecular weight	No data available

## 10. Stability and reactivity

A.Chemical stability and possibility of hazardous reactions	Stable under recommended storage conditions No decomposition if stored and applied as directed. No hazards to be especially mentioned.
B. Conditions to avoid	Do not freeze.
C. Incompatible materials	WATER-REACTIVE MATERIALS

## 11. Toxicological information

A. Information on the likely routes of exposure	No data available
B. Health hazards information	
– Acute toxic	
Oral	LD50 25000mg/kg(Rat)
Inhalation	No data available
Dermal	No data available
– Skin corrosive/irritant	Skin irritation appears when an animal experiment (Rabbit) is tested, but does not appear when applied to humans (Clayton & Clayton, 1994).
– Serious eye damage/eye irritation	Causes eye irritation by short term exposure.
– Respiratory sensitization	No data available
– Skin sensitization	No data available
– Carcinogenicity	No data available
– Germ Cell Mutagenicity	No data available
– Reproductive toxicity	No data available
– Specific target organ toxicity (single exposure):	No data available
– Specific target organ toxicity (repeated exposure)	No data available
– Aspiration hazard	No data available

## 12. Ecological information

A. Aquatic and terrestrial ecotoxicity	No data available
B. Persistence and degradability	No data available
C. Bioaccumulative potential	No data available
D. Mobility in soil	No data available
E. Other adverse effects	No data available

## 13. Disposal considerations

A. Disposal method	Waste management will be handled according to the charging.
B. Disposal precaution	Unauthorized disposal or incineration is hazardous to natural ecosystems and should be avoided.

## 14. Transport information

A. UN number	No data available
B. UN proper shipping name	No data available
C. Transport hazard class:	No data available
D. Packing group (if applicable)	No data available
E. Marin pollution (yes/no)	No data available
F. Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises:	See section 5, 6

## 15. Regulatory information

A. Industrial Safety and Health Act	Not Applicable.
B. Chemical Control Act	Not Applicable.
C. Dangerous Material Safety Control Act	Not Applicable.
D. Wastes Management Act	Designated Wastes
E. Other requirements in domestic and other countries	Not Applicable.

16. Other information

A. Information source and references

Source of data : Korea Occupational Safety and Health Agency (KOSHA)>

B. Issuing date

May 30, 2022

C. Revision number and date

D. Further information

This information is based on our present state of knowledge.  
It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality