



SUNJIN CHEMICAL CO.,LTD.

836-1 Wonsi-dong, Ansan-si

Kyungki-do, Korea (425-852)

Tel:+82-31-494-6322 Fax:+82-31-494-6321

Material Safety Data Sheet

LDX Series

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

A. PRODUCT NAME	LDX Series
B. APPLICATION	industrial
C. COMPANY IDENTIFICATION	
Company Name :	Sunjin Chemical Co.,Ltd.
Address :	836-1 Wonsi-dong, Danwon-gu, Ansan-si, Kyungki-do, Korea
Telephone :	+82-31-494-6322

2. HAZARDS IDENTIFICATION

A. GHS CLASSIFICATION	
Hazard Class and Category Code(s)	Serious eye damage/eye irritation : 2 category Skin corrosivity/ irritation : 2 category Specific target organ toxicity : 3 category(respiratory system irritation)
B. WARNING LABELS, PICTOGRAMS, HAZARD STATEMENT AND PREVENTIVE MEASURE STATEMENT	
Pictograms :	
Signal Word :	Warning
Hazard Statement :	H315 Cause skin irritation H319 Causes serious eye irritation. H335 Can causes respiratory system irritation
Precautionary Statement :	
Prevention	P261 (dust, fume, gas, mist, steam, spray) avoid inhalation P264 Wash..thoroughly after handling P271 Handle only open area or well-ventilated place P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302+P352 If on skin : wash with plenty of soap and water P304+P340 If inhaled : remove vitim to fresh air P305+P351+P338 If in eyes : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 If feel inconvenience : consult a doctor P321 Specific treatment (see...on this label) P332+P313 If skin irritation occurs : get medical advice / attention P337+P313 If eye irritation persist get medical advice/attention



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Storage	P362 Take of contaminated clothing before reuse P403+P233 Store in an airtight container in a well ventilated place P405 Store in storage that have locking device
Disposal	P501 Dispose of the contents/container to...

C. HAZARDS NOT INCLUDED IN GHS CLASSIFICATION (NFPA RATING)

Health :	1
Flammability :	1
Instability :	0

3. COMPOSITION / INFORMATION ON IGREDIENTS

Chemical Name	Other Name	CAS No.	%(w/w)
Polymethyl methacrylate		9011-14-7	100

4. FIRST AID MEASURES

A. EYE CONTACT	Wash eyes immediately with large amounts of water. Get medical attention immediately.
B. SKIN CONTACT	If hot material, in order to remove heat, wash cold water. Take a emergency medical treatment. Remove contaminated clothing and shoes immediately, and isolate contaminated area. If contact the material, wash skin and eyes. (at least 20minutes) If slightly contact the skin, prevent the contaminated area diffusion. If skin irritation, consult a doctor. Take off contaminated clothing, wash it.
C. INHALATION	If exposure to excess dust or fume, remove by fresh air, and If have cough or another symptom, take a medical treatment. If no breath, do artificial respiration. If problem in breath, provide oxygen.
D. INGESTION	Take a emergency medical treatment.
E. NOTE TO PHYSICIAN	Make physician know the material and do protective measure.

5. FIRE FIGHTING MEASURES

A. SUITABLE EXTINGUISHING MEDIA	If extinguish to fire, use to CO2 or water spray. If extinguishment by smothering, use to dry sand or soil.
B. SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	



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Can causes pungent and very poisonous gas by pyrolysis or combustion during burn.

The container can be blown up by heating.

Partial of that can be burned, but don't ignite easily.

The nonflammability, material don't be burned, but it can occurs corrosiveness/toxicity fume by decomposition when heating.

C. SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

The rescuer wear the proper protective equipment

Extinguish the fire with keeping safe distance and getting out of the area.

Be careful. It can flow to melt.

Dig a ditch in order to dispose of fire fighting water to prevent dispersing of the material.

If it is not dangerous, move the container from fire area.

If fire on tank, use manless fire apparatus at furthest distance.

If fire on tank, you should cool the container by much water after extinguish

If fire on tank, you should back off when pressure relief device makes a high-pitched sound or tank discolour.

If fire on tank, you should back off from tank is wrapped in flames.

If fire on tank, use manless fire apparatus in case of large scale fire. But in case of impossible, step back and let it burn

6. ACCIDENTAL RELEASE MEASURES

A. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Mop the spilled material immediately, follow the prevention measure of protective equipment section.

Remove all the source of ignition.

If not dangerous, stop a leak.

When you don't wear proper protective clothing, don't touch the broken container or leaking material.

Cover with the plastic sheet to prevent diffusion.

Avoid the inhalation. (dust, fume, gas, mist, steam, spray)

B. ENVIRONMENTAL PRECAUTIONS

Prevent inflow to waterway, drain, mattamore and closed space.

C. METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Absorb with sand or other non-combustible materials. Collect spilled



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material in appropriate container for disposal.

Sweep up without occurring dust. Collect spilled material in appropriate container for disposal.

7. HANDLING AND STORAGE

A. PRECAUTIONS FOR SAFE HANDLING

You should follow all the MSDS/Label prevention measure because material's residue can be stay after the container emptied.

Use carefully in handling/store.

Open a tap carefully.

Block by long time or lasting skin contact

Pay attention condition and something to be avoid.

Work with refer to engineering management and individual protection equipment.

Avoid the inhalation. (dust, fume, gas, mist, steam, spray)

Wash it, after handle.

Handle only open air or well-ventilated place

B. CONDITION FOR SAFE STORAGE

Keep in closed container.

Store in an airtight container at a well ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

A. OCCUPATIONAL EXPOSURE LIMITS

Korea

No Information found

ACGIH

No Information found

Biological exposure standard

No Information found

B. ENGINEERING MEASURES

when work, if occur dust, fume or mist.

you should ventilate in order to keep that air pollution level is under exposure standard.

For the facilities that use or store this material, install wash facilities and safety shower

C. INDIVIDUAL PROTECTION MEASURES

Respiratory Protection

Put on respiratory protection equipment that completed by Korea Occupational Safety Healthy Agency's certification in the physical chemical characteristic of the exposure.

Eye Protection

No Information found

Hand Protection

No Information found.



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Skin Protection

No Information found

9. PHYSICAL AND CHEMICAL PROPERTIES

A. PHYSICAL APPEARANCE	White powder
B. ODOR	Slightly Odor
C. ODOR THRESHOLD	No data available
D. pH	No data
E. MELTING/FREEZING POINT	> 165 °C
F. INITIAL BOILING POINT/BOILING POINT RANGE	Not Applicable
G. FLASH POINT	> 280 °C
H. EVAPORATION RATE	Not Applicable
I. FLAMMABILITY (GAS, SOLID)	Ignitability
J. UPPER AND LOWER EXPLOSION LIMITS	Not Applicable
K. VAPOUR PRESSURE	Not Applicable
L. SOLUBILITY	Immiscible
M. RELATIVE VAPOUR DENSITY	Not Applicable
N. SPECIFIC GRAVITY	1.19
O. n-OCTANOL/WATER PARTITION COEFFICIENT	Not Applicable
P. AUTOIGNITION TEMPERATURE	No data
Q. DECOMPOSITION TEMPERATURE	Not Applicable
R. VISCOSITY	Not Applicable

10. STABILITY AND REACTIVITY

A. CHEMICAL STABILITY	The container can be blown up by heating. Partial of that can be burned, but don't ignite easily. The nonflammability, material don't be burned, but it can occurs corrosiveness/toxicity fume by decomposition when heating.
B. CONDITIONS TO AVOID	Ignition source like heat, spark, flame ...
C. INCOMPATIBLE MATERIALS	Flammability material, reducing material
D. HAZARDOUS DECOMPOSITION PRODUCTS	Can causes pungent and very poisonous gas by pyrolysis or combustion during burn. Corrosiveness, toxicity fume.

11. TOXICOLOGY INFORMATION

A. INFORMATION ON THE LIKELY ROUTES OF EXPOSURE	No information
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B. DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

Acute Toxicity	
Oral	No Information
Skin	No Information
Inhalation	No Information
Skin Corrosion/Irritation	Cause skin irritation
Serious Eye Damage/Irritation	Cause eyes irritation
Respiratory	No Information
Skin Sensitization	No Information
Carcinogenicity	
IARC	Group 3
NTP	No Information
OSHA	No Information
WISHA	No Information
ACGIH	No Information
EU CLP	No Information
Germ Cell Mutagenicity	No Information
Reproductive Toxicity	No Information
Specific Target Organ Toxicity - Single Exposure	Can causes respiratory system irritation
Specific Target Organ Toxicity - Repeated Exposure	No Information
Aspiration Hazard	No Information

12. ECOLOGICAL INFORMATION

A. TOXICITY

Fish	No Information
Crustacean	No Information
Birds	No Information

B. PERSISTENCE AND DEGRADABILITY

Persistence	No Information
Degradability	No Information

C. BIOACCUMULATIVE POTENTIAL

Bioacculation	No Information
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D. MOBILITY IN SOIL

No Information

E. OTHER ADVERSE EFFECTS

No Information



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Version Number 1.1

C. OTHERS

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