



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

HR-Series

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

A. PRODUCT NAME	HR-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	Not Classified
B. WARNING LABELS, PICTOGRAMS, HAZARD STATEMENT AND PREVENTIVE MEASURE STATEMENT	
Pictograms :	Not Applicable
Signal Word :	Not Applicable
Hazard Statement :	Not Applicable
Precautionary Statement :	
Prevention	Not Applicable
Response	Not Applicable
Storage	Not Applicable
Disposal	Not Applicable
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)
Poly styrene		9003-53-6	100

4. FIRST AID MEASURES

A. EYE CONTACT	Immediately flush eyes with plenty of cool water for at least 15 minutes. Do not let victim rub eyes. Seek professional medical attention.
B. SKIN CONTACT	Immediately flush skin with water while removing contaminated clothing. Wash contaminated clothing before reuse. Should Irritation occur, seek professional medical attention.
C. INHALATION	Immediately remove victim to fresh air. If victim has stopped breathing, give



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artificial respiration and seek medical assistance.

D. INGESTION

Do not induce vomiting. Consult a physician or poison control unit.

E. NOTE TO PHYSICIAN

No information

5. FIRE FIGHTING MEASURES

A. SUITABLE EXTINGUISHING MEDIA

Foam, Powder, Carbon Dioxide, Water spray

B. SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Thermal Decomposition

Carbon compound

Combustibility and Explosiveness

No combustion and explosion hazard

C. SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

6. ACCIDENTAL RELEASE MEASURES

A. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Absorb with sand or other non-combustible materials. Stop release if it can be done without risk. Collect spilled material in appropriate container for disposal.

B. ENVIRONMENTAL PRECAUTIONS

No Information found

C. METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Small Spills

Absorb with sand or other non-combustible materials. Collect spilled material in appropriate container for disposal.

Large Spill

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

7. HANDLING AND STORAGE

A. PRECAUTIONS FOR SAFE HANDLING

Do not breathe gases/dust. Avoid formation of dust. Use adequate ventilation.

Do not get in eyes, on skin, on clothing.

B. CONDITION FOR SAFE STORAGE

Keep in closed container. Store in cool and dry area with suitable ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

A. OCCUPATIONAL EXPOSURE LIMITS

Korea

No Information found



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ACGIH

No Information found

B. ENGINEERING MEASURES

Local and/or general ventilation is recommended

C. INDIVIDUAL PROTECTION MEASURES

Respiratory Protection

Wear suitable mask.

Eye Protection

Wear safety glasses or goggles. Provide an emergency eye wash fountain and quick drench shower

Hand Protection

Wear general gloves.

Skin Protection

No special protection required. Wear standard protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

A. PHYSICAL APPEARANCE

White powder

B. ODOR

Odorless

C. ODOR THRESHOLD

No data available

D. pH

No data

E. MELTING/FREEZING POINT

> 240 °C

F. INITIAL BOILING POINT/BOILING POINT RANGE

Not A 240 °Cplicable

G. FLASH POINT

Not Applicable

H. EVAPORATION RATE

Not Applicable

I. FLAMMABILITY (GAS, SOLID)

Not Applicable

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

1.08

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

Stable under normal condition

B. CONDITIONS TO AVOID

Avoid formation of dust, Contact with irritating or toxic gas

C. INCOMPATIBLE MATERIALS

Acid, Oxidizing agent

D. HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Compound, Contact with irritating or toxic gas



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11. TOXICOLOGY INFORMATION

A. INFORMATION ON THE LIKELY ROUTES OF EXPOSURE	No information
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	No Information
Serious Eye Damage/Irritation	No Information
Respiratory	No Information
Skin Sensitization	No Information
Carcinogenicity	
IARC	No Information
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	No Information
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

13. DISPOSAL CONSIDERATIONS

A. DISPOSAL METHODS Dispose the waste in accordance with all applicable regulations

B. PRECAUTIONS No special precautions required

14. TRANSPORTATION INFORMATION

A. UN NUMBER Not regulated

B. PROPER SHIPPING NAME Not regulated

C. TRANSPORTATION HAZARD CLASS(ES) Not regulated

D. PACKING GROUP, IF APPLICABLE Not regulated

E. ENVIRONMENTAL HAZARD Not regulated

F. SPECIAL PRECAUTIONS FOR USER No data available

15. REGULATORY INFORMATION

A. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

Korea Not regulated

US Federal

OSHA Not regulated

CERCLA Not regulated

EPCRA 302 Not regulated

EPCRA 304 Not regulated

EPCRA 313 Not regulated

Rotterdam Convention(PIC) Not regulated

Stockholm Convention (POPs) Not regulated

Montreal Protocol Not regulated

EU

Labeling No labeling needed according to EU-Directive 67/548/EEC and 1999/45/EC.

Hazard Symbols Not applicable

Risk phrase Not applicable

Safety phrase Not applicable

16. OTHER INFORMATION

A. REFERENCES

The Chemical Database, The Department of Chemistry at the University of Akron



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B. OTHER INFORMATION

Date Issued Nov. 01, 2013

Version Number 1.0

C. OTHERS

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