

MATERIAL SAFETY DATA SHEET

Date of Issue: May 27, 2016

Technical Review Date: May 27, 2016

Version: D0001.001

Section 1 - Product and Company Identification

SV-M

Product name**- SV-M****Recommended use and restriction on use**

- General use : Not available

- Restriction on use : Not available

Manufacturer / Supplier / Distributor information○ **Manufacturer****information**

- Company name : DON CO., LTD
- Address 1 : 157, GUNGPYEONG-RI, DOCHEOK-MYEON
- Address 2 : GWANGJU-SI, GYEONGGI-DO, KOREA
- Dept. : QUALITY CONTROL DEPT.
- Telephone number : 82-31-769-2475(DON HEAD OFFICE)
- Emergency telephone number : 82-31-769-2475 (443)
- Fax number : 82-31-769-2479
- E-mail address : dcresearch@don21c.com

○ **Supplier/Distributor information**

- Company name : DON CO., LTD
 - Address 1 : 157, GUNGPYEONG-RI, DOCHEOK-MYEON
 - Address 2 : GWANGJU-SI, GYEONGGI-DO, KOREA
 - Dept. : OVERSEAS SALES/BUSINESS/MARKETING DEPT.
 - Telephone number : 82-31-769-2475(DON HEAD OFFICE)
 - Emergency telephone number : 82-31-769-2475 (407)
 - Fax number : 82-31-769-2479
 - E-mail address : don@don21c.com
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Section 2 - Hazards Identification, Including Emergency Overview

SV-M

Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

SKIN IRRITATION (CATEGORY 2)

EYE IRRITATION (CATEGORY 2)

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

Label elements**Labelling according Regulation (EC) No 1272/2008 [CLP]**

PICTOGRAM



SIGNAL WORD

WARNING

HAZARD STATEMENT(S)

H315

CAUSES SKIN IRRITATION.

H319

CAUSES SERIOUS EYE IRRITATION.

H335

MAY CAUSE RESPIRATORY IRRITATION.

PRECAUTIONARY STATEMENT(S)

P261

AVOID BREATHING DUST.

P305 + P351 + P338

IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

SUPPLEMENTAL HAZARD

NONE

STATEMENTS

According to European Directive 67/548/EEC as amended.

HAZARD SYMBOL(S)



R-PHRASE(S)

R36/37/38

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

S-PHRASE(S)

S26

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY

WITH PLENTY OF

WATER AND SEEK MEDICAL ADVICE.

S36

WEAR SUITABLE PROTECTIVE CLOTHING.

Other hazards - NONE**Section 3 - Composition/Information on Ingredients**

SV-M

Ingredient Name: SV-M**General Description: SOLID**

Name	%	CAS NB	Molarcular
Magnesium fluoride	99.9	7783-40-6	62.30 g/mol

Section 4 - First Aid Measures**SV-M**

Description of first aid measures**General advice**

CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.

If inhaled

IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.

In case of skin contact

WASH OFF WITH SOAP AND PLENTY OF WATER. CONSULT A PHYSICIAN.

In case of eye contact

RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.

If swallowed

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.

Most important symptoms and effects, both acute and delayed

SALIVATION, NAUSEA, VOMITING, FEVER

Indication of any immediate medical attention and special treatment needed

NO DATA AVAILABLE

Section 5 - Fire Fighting Measures**SV-M**

Extinguishing media**Suitable extinguishing media**

USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

Special hazards arising from the substance or mixture

HYDROGEN FLUORIDE, MAGNESIUM OXIDE

Advice for firefighters

WEAR SELF CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY.

Further information

NO DATA AVAILABLE

Section 6 - Accidental Release Measures

SV-M

Personal precautions, protective equipment and emergency procedures

USE PERSONAL PROTECTIVE EQUIPMENT. AVOID DUST FORMATION. AVOID BREATHING VAPORS, MIST OR GAS. ENSURE ADEQUATE VENTILATION. EVACUATE PERSONNEL TO SAFE AREAS. AVOID BREATHING DUST.

Environmental precautions

DO NOT LET PRODUCT ENTER DRAINS.

Methods and materials for containment and cleaning up

PICK UP AND ARRANGE DISPOSAL WITHOUT CREATING DUST. SWEEP UP AND SHOVEL. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

Reference to other sections

FOR DISPOSAL SEE SECTION 13.

Section 7 - Handling and Storage

SV-M

Precautions for safe handling

AVOID CONTACT WITH SKIN AND EYES. AVOID FORMATION OF DUST AND AEROSOLS. PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE DUST IS FORMED. NORMAL MEASURES FOR PREVENTIVE FIRE PROTECTION.

Conditions for safe storage, including any incompatibilities

STORE IN COOL PLACE. KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

Specific end uses

NO DATA AVAILABLE

Section 8 - Exposure Controls & Personal Protection

SV-M

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

Personal protective equipment**Eye/face protection**

SAFETY GLASSES WITH SIDE-SHIELDS CONFORMING TO EN166 USE EQUIPMENT FOR EYE PROTECTION TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR EN 166(EU).

Skin protection

HANDLE WITH GLOVES. GLOVES MUST BE INSPECTED PRIOR TO USE. USE PROPER GLOVE REMOVAL TECHNIQUE (WITHOUT TOUCHING GLOVE'S OUTER SURFACE) TO AVOID SKIN CONTACT WITH THIS PRODUCT. DISPOSE OF CONTAMINATED GLOVES AFTER USE IN ACCORDANCE WITH APPLICABLE LAWS AND GOOD LABORATORY PRACTICES. WASH AND DRY HANDS.

THE SELECTED PROTECTIVE GLOVES HAVE TO SATISFY THE SPECIFICATIONS OF EU DIRECTIVE 89/686/EEC AND THE STANDARD EN 374 DERIVED FROM IT.

Body Protection

IMPERVIOUS CLOTHING, THE TYPE OF PROTECTIVE EQUIPMENT MUST BE SELECTED ACCORDING TO THE CONCENTRATION AND AMOUNT OF THE DANGEROUS SUBSTANCE AT THE SPECIFIC WORKPLACE.

Respiratory protection

FOR NUISANCE EXPOSURES USE TYPE P95 (US) OR TYPE P1 (EU EN 143) PARTICLE RESPIRATOR.FOR HIGHER LEVEL PROTECTION USE TYPE OV/AG/P99 (US) OR TYPE ABEK-P2 (EU EN 143) RESPIRATOR CARTRIDGES. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).

Section 9 - Physical & Chemical Properties**SV-M**

Physical State: SOLID**Color:** COLORLESS TO WHITE**Odour:** ODORLESS**Viscosity:** NO DATA AVAILABLE**Boiling Point:** 1,266 C**Flash Point:** NO DATA AVAILABLE**Vapor Density (Air=1):** N/P**Specific Gravity:** 3.13 g/mL at 25 °C**Solubility in Water:** INSOLUBILITY IN WATER

Section 10 - Stability & Reactivity Data**SV-M**

Reactivity

NO DATA AVAILABLE

Chemical stability

NO DATA AVAILABLE

Possibility of hazardous reactions

NO DATA AVAILABLE

Conditions to avoid

NO DATA AVAILABLE

Incompatible materials

STRONG OXIDIZING AGENTS, STRONG ACIDS,

Hazardous decomposition productsOTHER DECOMPOSITION PRODUCTS - NO DATA AVAILABLE

Section 11 - Toxicological Information**SV-M**

Information on toxicological effects**Acute toxicity**

NO DATA AVAILABLE

Skin corrosion/irritation

NO DATA AVAILABLE

Serious eye damage/eye irritation

NO DATA AVAILABLE

Respiratory or skin sensitisation

NO DATA AVAILABLE

Germ cell mutagenicity

NO DATA AVAILABLE

Carcinogenicity

THIS PRODUCT IS OR CONTAINS A COMPONENT THAT IS NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY BASED ON ITS IARC, ACGIH, NTP, OR EPA CLASSIFICATION.

IARC: 3 - GROUP 3: NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS
(MAGNESIUM FLUORIDE)

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

Potential health effects

Inhalation	MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION.
Ingestion	MAY BE HARMFUL IF SWALLOWED.
Skin	MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION.
Eyes	MAY CAUSE EYE IRRITATION.

Signs and Symptoms of Exposure

SALIVATION, NAUSEA, VOMITING, FEVER

Additional Information

RTECS: OM3325000

Section 12 - Ecological Information & Environmental Information

SV-M

Toxicity

NO DATA AVAILABLE

Persistence and degradability

NOT APPLICABLE

Bioaccumulative potential

NO DATA AVAILABLE

Mobility in soil

NO DATA AVAILABLE

Results of PBT and vPvB assessment

NO DATA AVAILABLE

Other adverse effects

NO DATA AVAILABLE

Section 13 - Disposal Considerations

SV-M

Waste treatment methods

Product

OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY.
CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS

MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

Contaminated packaging

DISPOSE OF AS UNUSED PRODUCT.

Section 14 - MSDS Transport Information**SV-M**

UN number

ADR/RID: -

IMDG: -

IATA: -

UN proper shipping name

ADR/RID: NOT DANGEROUS GOODS

IMDG: NOT DANGEROUS GOODS

IATA: NOT DANGEROUS GOODS

Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

Packaging group

ADR/RID: -

IMDG: -

IATA: -

Environmental hazards

ADR/RID: NO

IMDG MARINE POLLUTANT:NO IATA: NO

Special precautions for user

NO DATA AVAILABLE

Section 15 - Regulatory Information**SV-M**

THIS SAFETY DATASHEET COMPLIES WITH THE REQUIREMENTS OF REGULATION (EC) NO. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture

NO DATA AVAILABLE

Chemical Safety Assessment

NO DATA AVAILABLE

Section 16 - Other Information**SV-M**

Reference

- THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT FOR PURPOSE OF HAZARD

COMMUNICATION. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN.

- THIS SAFETY DATA SHEET WAS COMPILED WITH DATA AND INFORMATION FROM THE FOLLOWING SOURCES: KOSHA, NITE, ESIS, NLM, SIDS, IPCS

Issue date

- May 27, 2016

Revision number and Last date revised

- Rev. 1 , May 27, 2016

Other

- THIS MSDS IS PREPARED ACCORDING TO THE GLOBALLY HARMONIZED SYSTEM (GHS)

DESCRIPTION: SV-M

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