



MULTIPLIED PERFORMANCE

Page 1/12

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name:

**AGON K SOL C283**

Registration number

Not applicable

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture

Production of various rubber final applications.

Uses advised against

Not determined.

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

LOTTE VERSALIS ELASTOMERS Co., Ltd  
51, Lotte Tower, Boramae-ro 5-gil,  
Dongjak-Gu, 07071 Korea  
Phone: +82 61 690 2590

E-mail address of the competent person responsible for the SDS:

e-mail: SDS.LVE@lvelastomers.com

**1.4 Emergency telephone number:**

EU-wide emergency number 112

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Based on the requirements of the GB CLP Regulation, the product is not classified.

(Contd. on page 2)

GBN



MULTIPLIED PERFORMANCE

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

Trade name: **AGON K SOL C283**

(Contd. from page 1)

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Hazard statements

Not applicable

Not applicable

Not applicable

Not applicable

### 2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

This substance / mixture is not a PBT applying the criteria of UK REACH Regulation, Annex XIII.

vPvB:

This substance / mixture is not a vPvB applying the criteria of UK REACH Regulation, Annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Description:

Mixture, composed of a copolymer and of substances below the applicable classification limits or not hazardous.

Copolymer: Styrene-Butadiene, CAS: 9003-55-8

Dangerous components:

Not applicable

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information:

No special measures required.

After inhalation:

Dust or gas/vapours released by heat: move the affected person away from the contaminated area into fresh air; seek medical assistance.

(Contd. on page 3)



MULTIPLIED PERFORMANCE

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

**Trade name: AGON K SOL C283**

(Contd. from page 2)

After skin contact:

In case of contact with melted material, cool down with cold water and seek medical assistance. Do not remove the product that solidified on skin. Treat as a burn.

After eye contact:

Rinse opened eye for several minutes under running water.

After swallowing:

Not applicable.

### **4.2 Most important symptoms and effects, both acute and delayed**

Dust or gas/vapours released by heat: irritation of the respiratory organs. Eyes reddening.

### **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing agents:

Water, water spray, foam, dry chemicals, carbon dioxide.

For safety reasons unsuitable extinguishing agents:

Not applicable.

### **5.2 Special hazards arising from the substance or mixture**

Combustion products: carbon dioxide, carbon monoxide (when starved of air / oxygen), and possible unburned hydrocarbons.  
Overheating/pyrolysis may evolve vapours made up of monomers, low molecular weight polymers and their oxidation products.

### **5.3 Advice for firefighters**

Protective equipment:

Wear suitable protective clothing (helmet, goggles, fire resistant gloves, boots) and protect respiratory organs (self contained breathing apparatus).

Additional information

The product is combustible.  
Cool endangered receptacles with water spray.

(Contd. on page 4)



MULTIPLIED PERFORMANCE

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

Trade name: **AGON K SOL C283**

(Contd. from page 3)

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Not required.

#### 6.2 Environmental precautions:

No special measures required.

#### 6.3 Methods and material for containment and cleaning up:

Collect mechanically. Reuse if possible or dispose of as required by national and local regulations (see section 13).

#### 6.4 Reference to other sections

No dangerous substances are released.  
For information on disposal of contaminated material, see section 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

During the processing of the product, avoid inhalation of fumes or powders, by providing good ventilation of the work room and, if necessary, by a suitable exhaust system.

#### Handling:

Information about fire - and explosion protection:

The product is a poor conductor and it is likely to accumulate electrostatic charges. Precautions normally used for not conductive materials and against the accumulation of electrostatic charges should be used during processes which employ powdered materials or produce dust (e.g.: reduce speed to the minimum, install earthing systems, the absolute prohibition to smoke and use free flames, use inert gases in mills and in the closed systems).

(Contd. on page 5)

— GBN —



MULTIPLIED PERFORMANCE

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

**Trade name: AGON K SOL C283**

(Contd. from page 4)

### 7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Store the product in a covered place in its sealed packaging, away from direct sunlight and heat sources.  
Ensure the proper ventilation in all storage areas.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Protect from heat and direct sunlight.

### 7.3 Specific end use(s)

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Additional information about design of technical facilities:

No further data; see section 7.

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### 8.2 Exposure controls

General protective and hygienic measures:

Traces of monomers and other volatile substances may be given off during processing, particularly at unusually high processing temperatures. Work rooms must be provided with adequate ventilation and exhaust equipment to collect dust and gas/vapours that may be evolved during the conversion.

Suitable technical controls

Ensure good ventilation / exhaustion at the workplace.

Personal protection measures

The personal protective equipment will vary according to the possible exposure and danger of working conditions.

(Contd. on page 6)



MULTIPLIED PERFORMANCE

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

**Trade name: AGON K SOL C283**

(Contd. from page 5)

Respiratory protection:	In normal conditions masks with antidust filters should be available for use when requested.
Protection of skin	
Protection of hands:	Protective gloves
Eye/face protection:	Safety glasses
Other:	Standard work clothes.
Thermal dangers	No information available
Limitation and supervision of exposure into the environment	No information available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

##### Appearance:

Form:	Bales
Colour:	Clear
Odour:	Light
Odour threshold:	Not determined.

pH-value: Not applicable.

##### Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.

Flash point: Not applicable.

Flammability (solid, gas): Not determined.

(Contd. on page 7)



MULTIPLIED PERFORMANCE

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

**Trade name: AGON K SOL C283**

(Contd. from page 6)

Auto-ignition temperature:	>300 °C
Decomposition temperature:	>200 °C
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not applicable.
Density at 20 °C:	0.93 g/cm <sup>3</sup>
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Insoluble.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.

### 9.2 Other information

No further relevant information available.

(Contd. on page 8)



MULTIPLIED PERFORMANCE

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

Trade name: **AGON K SOL C283**

(Contd. from page 7)

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

The product does not participate to dangerous reactions if stored and handled as prescribed/indicated

#### 10.2 Chemical stability

Thermal decomposition:

Observe the recommended processing temperatures.  
The product is stable and inert in the recommended storage and handling conditions (see section 7).

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

#### 10.4 Conditions to avoid

Exposure to sunlight and/or heat. Buildup of electrostatic charges.

#### 10.5 Incompatible materials:

Avoid the contact with oxidising substances.

#### 10.6 Hazardous decomposition products:

No dangerous decomposition products known.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Primary irritant effect:

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

The product's dust may cause irritation of eyes.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Additional toxicological information:

The product does not present any intrinsic health hazard when processed according to correct working procedures.

Specific information on the product is not available in the literature. Residual monomers may be present in the product at trace levels, hindered in the polymer matrix and therefore not available in normal conditions.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No evidence of these effects has been reported.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

(Contd. on page 9)



MULTIPLIED PERFORMANCE

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

**Trade name: AGON K SOL C283**

(Contd. from page 8)

Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity:

The product is essentially a high molecular weight polymer, not regarded as ecotoxic.

### 12.2 Persistence and degradability

The product is a non biodegradable polymer.

### 12.3 Bioaccumulative potential

Does not accumulate in organisms

### 12.4 Mobility in soil

No further relevant information available.

General notes:

Use according to good working practice, and avoid releasing the product into the environment.

### 12.5 Results of PBT and vPvB assessment

PBT:

This substance / mixture is not a PBT applying the criteria of UK REACH Regulation, Annex XIII.

vPvB:

This substance / mixture is not a vPvB applying the criteria of UK REACH Regulation, Annex XIII.

### 12.6 Other adverse effects

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Recommendation

The same safety considerations that apply to the product as it is, apply to scraps/waste as well.

(Contd. on page 10)

GBN



MULTIPLIED PERFORMANCE

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

**Trade name: AGON K SOL C283**

(Contd. from page 9)

Residues should be disposed of as required by national and local regulations. The incineration must be done under approved conditions, possibly with energy recovery and only at suitable facilities equipped with a scrubber for the treatment of fumes before their release into the atmosphere. Landfilling should be avoided as far as possible. If unavoidable, use approved landfill sites.

Uncleaned packaging:

Recommendation:

Recommended cleansing agents:

Disposal must be made according to official regulations.

Not applicable.

### SECTION 14: Transport information

#### 14.1 UN-Number

ADR/RID/ADN, ADN, IMDG, IATA

Not applicable

#### 14.2 UN proper shipping name

ADR/RID/ADN, ADN, IMDG, IATA

Not applicable

#### 14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA

Class

Not applicable

#### 14.4 Packing group

ADR/RID/ADN, IMDG, IATA

Not applicable

#### 14.5 Environmental hazards:

Marine pollutant:

No

#### 14.6 Special precautions for user

Not applicable.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

(Contd. on page 11)



MULTIPLIED PERFORMANCE

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

**Trade name: AGON K SOL C283**

(Contd. from page 10)

Transport/Additional information:

IATA  
MARPOL: Not applicable.

### SECTION 15: Regulatory information

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

National regulations: Not applicable  
Regulations of the European Union: Not applicable

### \* SECTION 16: Other information

Relevant phrases: Not applicable.

Department issuing SDS: IMS/PM  
Abbreviations and acronyms:  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

\* Data compared to the previous version altered.

Data and information contained in this Safety Data Sheet are based on our available knowledge at the last revision date. No guarantee can be given as to

(Contd. on page 12)



MULTIPLIED PERFORMANCE

Page 12/12

## Product Safety Sheet

The document drafted on a voluntary basis is not required under Article 31 of Regulation (EC) No 1907/2006 and subsequent amendments

Printing date 04.03.2024

Revision: 04.03.2024

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**Trade name: AGON K SOL C283**

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(Contd. from page 11)

the sufficiency of any safety measures contained in this Safety Data Sheet, nor can it be assumed that other or additional measures may not be required under particular or exceptional circumstances. The user must make sure of the fitness and completeness of the information, according to the specific use they want to do.

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