

# SAFETY DATA SHEET



## Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 11.08.2023
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name	:	Vazo™ 56 WSP
SDS-Identcode	:	130000000566
REACH Registration Number	:	01-2119987319-20-0001
Substance name	:	2,2'-Azobis[2-methylpropionamidine] dihydrochloride
Index-No.	:	611-053-00-X
EC-No.	:	221-070-0

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

Use of the Sub- stance/Mixture	:	Azo-based polymerisation initiator polymerisation initiators
Recommended restrictions on use	:	Not applicable

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

Company	:	Chemours Netherlands B.V. Baanhoekweg 22 3313 LA Dordrecht Netherlands
Telephone	:	+31-(0)-78-630-1011
Telefax	:	+31-78-6163737
E-mail address of person responsible for the SDS	:	sds-support@chemours.com

#### 1.4 Emergency telephone number

0-800-983-611 (Toll free in-country) or +(44)-870-8200418

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Self-heating substances and mixtures, Category 1	H251: Self-heating: may catch fire.
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Acute toxicity, Category 4	H302: Harmful if swallowed.
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Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements :

- H251 Self-heating: may catch fire.
- H302 Harmful if swallowed.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements :

**Prevention:**

- P273 Avoid release to the environment.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### **Response:**

- P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
- P391 Collect spillage.

#### **Storage:**

- P407 Maintain air gap between stacks or pallets.
- P413 Store bulk masses greater than 12 KG/ 26 LB at temperatures not exceeding < 25 °C/ < 77 °F.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Risk of explosion if heated under confinement.

Contact with dust can cause mechanical irritation or drying of the skin.

May form explosive dust-air mixture.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

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Substance name : 2,2'-Azobis[2-methylpropionamidine] dihydrochloride  
Index-No. : 611-053-00-X  
EC-No. : 221-070-0

### Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
2,2'-Azobis[2-methylpropionamidine] dihydrochloride	2997-92-4 221-070-0	>= 90 - <= 100

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.

Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).

If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.

In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.  
Remove contaminated clothing and shoes.  
Get medical attention.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
If easy to do, remove contact lens, if worn.  
Get medical attention.

If swallowed : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.  
Get medical attention.  
Rinse mouth thoroughly with water.  
Never give anything by mouth to an unconscious person.

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

Symptoms : Skin contact may provoke the following symptoms:  
Sensitisation  
Rash  
Swelling of tissue  
Itching

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	Discomfort Redness
	Eye contact may provoke the following symptoms Pain tearing Swelling of tissue Redness Impairment of vision
Risks	: Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye irritation.  Contact with dust can cause mechanical irritation or drying of the skin.

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

Treatment	: Treat symptomatically and supportively.
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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	: Water spray Alcohol-resistant foam
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Unsuitable extinguishing media	: High volume water jet
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### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting	: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Do not use a solid water stream as it may scatter and spread fire. Exposure to combustion products may be a hazard to health.
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Hazardous combustion products	: Nitrogen oxides (NOx) Carbon oxides Chlorine compounds
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### 5.3 Advice for firefighters

Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Only trained personnel should re-enter the area.  
Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

**6.2 Environmental precautions**

Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.  
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).  
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

**6.4 Reference to other sections**

See sections: 7, 8, 11, 12 and 13.

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Technical measures : Static electricity may accumulate and ignite suspended dust causing an explosion.  
Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Local/Total ventilation : Use only with adequate ventilation.  
If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventilation.

Advice on safe handling : Do not get on skin or clothing.  
Avoid breathing dust, fume, gas, mist, vapours or spray.  
Do not swallow.  
Do not get in eyes.

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Wash skin thoroughly after handling.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Prevent pressure build-up  
Minimize dust generation and accumulation.  
Keep container closed when not in use.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Keep away from combustible material.  
Do not eat, drink or smoke when using this product.  
Take care to prevent spills, waste and minimize release to the environment.

Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace.  
Wash contaminated clothing before re-use.

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

Requirements for storage areas and containers : Keep in properly labelled containers. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Maintain air gap between stacks/ pallets.

Advice on common storage : Do not store with the following product types:  
Self-reactive substances and mixtures  
Organic peroxides  
Oxidizing agents  
Flammable liquids  
Aerosol cans and lighters  
Explosives  
Gases  
Very acutely toxic substances and mixtures

Recommended storage temperature : < 25 °C

Bulk storage mass : 12 kg

Further information on storage stability : Keep away from direct sunlight.

### 7.3 Specific end use(s)

Specific use(s) : No data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

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### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
2,2'-Azobis[2-methylpropionamidine] dihydrochloride	Workers	Inhalation	Long-term systemic effects	5,88 mg/m3
	Workers	Skin contact	Long-term systemic effects	0,084 mg/kg bw/day
	Workers	Skin contact	Acute systemic effects	0,4 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	2,94 mg/m3
	Consumers	Skin contact	Long-term systemic effects	0,042 mg/kg bw/day
	Consumers	Skin contact	Acute systemic effects	0,2 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	0,042 mg/kg bw/day
	Consumers	Ingestion	Acute systemic effects	0,2 mg/kg bw/day

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
2,2'-Azobis[2-methylpropionamidine] dihydrochloride	Fresh water	3,6 µg/l
	Intermittent use/release	36 µg/l
	Marine water	0,36 µg/l
	Sewage treatment plant	0,7 mg/l
	Fresh water sediment	0,015 mg/kg dry weight (d.w.)
	Marine sediment	0,0015 mg/kg dry weight (d.w.)
	Soil	0,017 mg/kg dry weight (d.w.)

## 8.2 Exposure controls

### Engineering measures

Ensure adequate ventilation, especially in confined areas.

Minimize workplace exposure concentrations.

Apply measures to prevent dust explosions.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventilation.

### Personal protective equipment

Eye/face protection : Wear the following personal protective equipment:  
Safety goggles

Hand protection  
Material : Natural Rubber

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- |                          |   |
|--------------------------|---|
| Remarks                  | : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday. Breakthrough time is not determined for the product. Change gloves often! |
| Skin and body protection | : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.<br>Wear the following personal protective equipment:<br>If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing.<br>Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).  |
| Respiratory protection   | : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.  |
| Filter type              | : Particulates type (P)   |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |   |   |
|---|---|
| Appearance                              | : solid, crystalline  |
| Colour                                  | : white   |
| Odour                                   | : odourless   |
| Odour Threshold                         | : No data available   |
| pH                                      | : 7   |
| Melting point/freezing point            | : > 163 °C<br>Do not attempt to verify melting point; decomposition can be violent. |
| Initial boiling point and boiling range | : No data available   |
| Flash point                             | : Not applicable  |
| Evaporation rate                        | : Not applicable  |
| Flammability (solid, gas)               | : May form explosive dust-air mixture.  |



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Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	No data available
Bulk density	:	380 kg/m <sup>3</sup>
Solubility(ies) Water solubility	:	215 g/l (20 °C)
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	The substance or mixture is not classified self-reactive.
Viscosity Viscosity, kinematic	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

### 9.2 Other information

Self-Accelerating decomposition temperature (SADT)	:	> 75 °C
Self-heating substances	:	Self-heating: may catch fire.
Particle size	:	No data available
Self-ignition	:	The substance or mixture is classified as self heating with the category 1.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Self-heating: may catch fire.

### 10.2 Chemical stability

Follow precautionary advice and avoid incompatible materials and conditions

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	May form explosive dust-air mixture.
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Can react with strong oxidizing agents.  
May explode under confinement.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
Avoid dust formation.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Information on likely routes of exposure : Inhalation  
Skin contact  
Ingestion  
Eye contact

#### Acute toxicity

Harmful if swallowed.

#### Product:

Acute oral toxicity : Acute toxicity estimate: 410 mg/kg  
Method: Calculation method

#### Components:

##### **2,2'-Azobis[2-methylpropionamidine] dihydrochloride:**

Acute oral toxicity : LD50 (Rat): 410 mg/kg

Acute dermal toxicity : LD50 (Rat): > 3.780 mg/kg  
Remarks: Based on data from similar materials

#### Skin corrosion/irritation

Not classified based on available information.

#### Components:

##### **2,2'-Azobis[2-methylpropionamidine] dihydrochloride:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Components:

##### **2,2'-Azobis[2-methylpropionamidine] dihydrochloride:**

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Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Irritation to eyes, reversing within 7 days

### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### Respiratory sensitisation

Not classified based on available information.

#### Components:

##### **2,2'-Azobis[2-methylpropionamidine] dihydrochloride:**

Test Type	:	Maximisation Test
Exposure routes	:	Skin contact
Species	:	Guinea pig
Result	:	positive

Assessment	:	Probability or evidence of skin sensitisation in humans
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#### Germ cell mutagenicity

Not classified based on available information.

#### Components:

##### **2,2'-Azobis[2-methylpropionamidine] dihydrochloride:**

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
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	:	Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative
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	:	Test Type: in vitro micronucleus test Method: OECD Test Guideline 487 Result: negative
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#### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### Components:

##### **2,2'-Azobis[2-methylpropionamidine] dihydrochloride:**

Effects on fertility	:	Test Type: Reproduction/Developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 421 Result: negative
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Effects on foetal development : Test Type: Reproduction/Developmental toxicity screening test  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 421  
Result: negative

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Components:

#### 2,2'-Azobis[2-methylpropionamidine] dihydrochloride:

Assessment : No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

### Repeated dose toxicity

### Components:

#### 2,2'-Azobis[2-methylpropionamidine] dihydrochloride:

Species : Rat  
NOAEL : 25 mg/kg  
Application Route : Ingestion  
Exposure time : 28 Days  
Method : OECD Test Guideline 407

### Aspiration toxicity

Not classified based on available information.

### Experience with human exposure

### Product:

Skin contact : Symptoms: Irritation, Itching, Redness, Rash, Swelling of tissue, Sensitisation

Eye contact : Symptoms: Irritation, Pain, Blurred vision

## SECTION 12: Ecological information

### 12.1 Toxicity

### Components:

#### 2,2'-Azobis[2-methylpropionamidine] dihydrochloride:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 570 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 3,5 mg/l

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aquatic invertebrates	Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): 0,5 mg/l Exposure time: 72 h Method: OECD Test Guideline 201  NOEC (Pseudokirchneriella subcapitata (green algae)): 0,1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	: 1
Toxicity to microorganisms	: EC50 : 360 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
M-Factor (Chronic aquatic toxicity)	: 1

### 12.2 Persistence and degradability

#### Components:

##### **2,2'-Azobis[2-methylpropionamidine] dihydrochloride:**

Biodegradability	: Result: Not readily biodegradable. Biodegradation: 11 % Exposure time: 28 d Method: OECD Test Guideline 301E
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### 12.3 Bioaccumulative potential

#### Components:

##### **2,2'-Azobis[2-methylpropionamidine] dihydrochloride:**

Partition coefficient: n-octanol/water	: log Pow: < 0,3
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### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment	: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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### 12.6 Other adverse effects

#### Product:

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.  
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.  
Do not dispose of waste into sewer.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

## SECTION 14: Transport information

### 14.1 UN number

ADN	: UN 3088
ADR	: UN 3088
RID	: UN 3088
IMDG	: UN 3088
IATA	: UN 3088

### 14.2 UN proper shipping name

ADN	: SELF-HEATING SOLID, ORGANIC, N.O.S. (2,2'-Azobis[2-methylpropionamidine] dihydrochloride)
ADR	: SELF-HEATING SOLID, ORGANIC, N.O.S. (2,2'-Azobis[2-methylpropionamidine] dihydrochloride)
RID	: SELF-HEATING SOLID, ORGANIC, N.O.S. (2,2'-Azobis[2-methylpropionamidine] dihydrochloride)
IMDG	: SELF-HEATING SOLID, ORGANIC, N.O.S. (2,2'-Azobis[2-methylpropionamidine] dihydrochloride)
IATA	: Self-heating solid, organic, n.o.s. (2,2'-Azobis[2-methylpropionamidine] dihydrochloride)

### 14.3 Transport hazard class(es)

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	Class	Subsidiary risks
<b>ADN</b>	: 4.2	
<b>ADR</b>	: 4.2	
<b>RID</b>	: 4.2	
<b>IMDG</b>	: 4.2	
<b>IATA</b>	: 4.2	

### 14.4 Packing group

#### ADN

Packing group	: II
Classification Code	: S2
Hazard Identification Number	: 40
Labels	: 4.2

#### ADR

Packing group	: II
Classification Code	: S2
Hazard Identification Number	: 40
Labels	: 4.2
Tunnel restriction code	: (D/E)

#### RID

Packing group	: II
Classification Code	: S2
Hazard Identification Number	: 40
Labels	: 4.2

#### IMDG

Packing group	: II
Labels	: 4.2
EmS Code	: F-A, S-J

#### IATA (Cargo)

Packing instruction (cargo aircraft)	: 470
Packing group	: II
Labels	: Spontaneously Combustible

#### IATA (Passenger)

Packing instruction (passenger aircraft)	: 467
Packing group	: II
Labels	: Spontaneously Combustible

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous	: yes
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#### ADR

Environmentally hazardous	: yes
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#### RID

Environmentally hazardous	: yes
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#### IMDG

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Marine pollutant : yes

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Remarks : Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

## SECTION 16: Other information

Other information : Vazo™ and any associated logos are trademarks or copyrights of The Chemours Company FC, LLC.  
Chemours™ and the Chemours Logo are trademarks of The Chemours Company.  
Before use read Chemours safety information.  
For further information contact the local Chemours office or nominated distributors.

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified;



# SAFETY DATA SHEET



## Vazo™ 56 WSP

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NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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