

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

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

1.1 Product identifier

Trade name	:	Vazo™ 56 WSP
SDS-Identcode	:	130000000566
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	:	Intermediate
Recommended restrictions on use	:	For industrial use only.

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

+(44)-870-8200418 (CHEMTREC - Recommended)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Self-heating substances and mixtures, Category 1	H251: Self-heating: may catch fire.
Acute toxicity, Category 4	H302: Harmful if swallowed.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758




Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

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) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

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.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

SECTION 3: Composition/information on ingredients

3.1 Substances

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.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

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
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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water spray
Alcohol-resistant foam

Unsuitable extinguishing media : High volume water jet

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.

Hazardous combustion products : Nitrogen oxides (NO_x)
Carbon oxides
Chlorine compounds

5.3 Advice for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

for firefighters 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.

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.
If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

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.

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.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

- | | |
|-------------------------|--|
| 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.
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. |

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version 6.3 Revision Date: 11.12.2023 SDS Number: 9683370-00010 Date of last issue: 28.06.2023
Date of first issue: 22.09.2021

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL):

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):

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.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

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
Equipment should conform to BS EN 166

Hand protection
Material : Natural Rubber

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.
Wear the following personal protective equipment:
If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing.
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.
Equipment should conform to BS EN 143

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

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version 6.3	Revision Date: 11.12.2023	SDS Number: 9683370-00010	Date of last issue: 28.06.2023 Date of first issue: 22.09.2021
----------------	------------------------------	------------------------------	---

Odour Threshold	:	No data available
pH	:	7
Melting point/freezing point	:	> 163 °C 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.
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 ³
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
--	---	---------

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

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. 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.

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
---------------------	---	--

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

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:

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

Germ cell mutagenicity

Not classified based on available information.

Components:

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

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Result: negative

Test Type: In vitro mammalian cell gene mutation test
Method: OECD Test Guideline 476
Result: negative

Test Type: in vitro micronucleus test
Method: OECD Test Guideline 487
Result: negative

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

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

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

Application Route : Ingestion
Exposure time : 28 Days
Method : OECD Test Guideline 407

Aspiration toxicity

Not classified based on available information.

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
aquatic invertebrates : Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : EC50 (Pseudokirchneriella subcapitata (green algae)): 0.5
plants : 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 tox- : 1
icity)

Toxicity to microorganisms : EC50 : 360 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

M-Factor (Chronic aquatic : 1
toxicity)

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

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

12.3 Bioaccumulative potential

Components:

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

Partition coefficient: n-octanol/water : log Pow: < 0.3

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.

12.6 Endocrine disrupting properties

Product:

Assessment : 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.

12.7 Other adverse effects

No data available

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

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version 6.3	Revision Date: 11.12.2023	SDS Number: 9683370-00010	Date of last issue: 28.06.2023 Date of first issue: 22.09.2021
----------------	------------------------------	------------------------------	---

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)

	Class	Subsidiary risks
ADN	: 4.2	
ADR	: 4.2	
RID	: 4.2	
IMDG	: 4.2	
IATA	: 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

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

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

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Not applicable

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation : Not applicable

Control of Major Accident Hazards Regulations 2015 (COMAH)

E1	ENVIRONMENTAL HAZARDS	Quantity 1 100 t	Quantity 2 200 t
----	--------------------------	---------------------	---------------------

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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 car-

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



Vazo™ 56 WSP

Version	Revision Date:	SDS Number:	Date of last issue: 28.06.2023
6.3	11.12.2023	9683370-00010	Date of first issue: 22.09.2021

rying 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; 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; TECI - 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.

GB / EN