

# SAFETY DATA SHEET



## Vazo™ 67

Version	Revision Date:	SDS Number:	Date of last issue: 2022/07/19
14.0	2022/10/18	1325306-00048	Date of first issue: 2017/02/27

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical product name : Vazo™ 67

SDS-Identcode : 130000000273

#### Supplier's company name, address and phone number

Company name of supplier : Chemours Kabushiki Kaisha

Address : Kamiyacho Prime Place, 4-1-17, Toranomom, Minato-ku, Tokyo, Japan

Telephone : 050-3823-0500

Emergency telephone number : 0120 081167

Prepared by : Product Stewardship & Regulatory

#### Recommended use of the chemical and restrictions on use

Recommended use : Intermediate

Restrictions on use : For industrial use only.

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### 2. HAZARDS IDENTIFICATION



#### GHS classification of chemical product

Self-reactive substances and mixtures : Type D

Acute toxicity (Oral) : Category 4

Short-term (acute) aquatic hazard : Category 3

#### GHS label elements

Hazard pictograms :  

Signal word : Danger

Hazard statements : H242 Heating may cause a fire.  
H302 Harmful if swallowed.  
H402 Harmful to aquatic life.

Precautionary statements : **Prevention:**

# SAFETY DATA SHEET



## Vazo™ 67

Version 14.0	Revision Date: 2022/10/18	SDS Number: 1325306-00048	Date of last issue: 2022/07/19 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P234 Keep only in original packaging.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

### Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

### Storage:

P403 Store in a well-ventilated place.  
P411 Store at temperatures not exceeding 24 °C/ 75 °F.  
P420 Store separately.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

Important symptoms and out- : Risk of explosion if heated under confinement.  
lines of the emergency as- : Dust contact with the eyes can lead to mechanical irritation.  
sumed : Contact with dust can cause mechanical irritation or drying of  
the skin.  
May form explosive dust-air mixture.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Substance name : 2,2'-Azodi(2-methylbutyronitrile)  
CAS-No. : 13472-08-7

### Components

Chemical name	CAS-No.	Concentration (% w/w)	ENCS No.
2,2'-Azodi(2-methylbutyronitrile)	13472-08-7	99.5997	

## 4. 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.

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

In case of skin contact : Wash with water and soap.

# SAFETY DATA SHEET



## Vazo™ 67

Version 14.0	Revision Date: 2022/10/18	SDS Number: 1325306-00048	Date of last issue: 2022/07/19 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

- Get medical attention if symptoms occur.
- In case of eye contact : If in eyes, rinse well with water.  
Get medical attention if irritation develops and persists.
- 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.
- Most important symptoms and effects, both acute and delayed : Eye contact may provoke the following symptoms  
Irritation  
Pain  
tearing  
Impairment of vision  
Ingestion may provoke the following symptoms:  
Tremors  
Lack of coordination  
Lethargy  
central nervous system effects  
Harmful if swallowed.  
Contact with dust can cause mechanical irritation or drying of the skin.  
Dust contact with the eyes can lead to mechanical irritation.
- 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).
- Notes to physician : Treat symptomatically and supportively.

### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam
- Unsuitable extinguishing media : High volume water jet
- 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.  
The product burns violently.  
Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Nitrogen oxides (NOx)  
Carbon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.

# SAFETY DATA SHEET



## Vazo™ 67

Version 14.0	Revision Date: 2022/10/18	SDS Number: 1325306-00048	Date of last issue: 2022/07/19 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

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

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.  
Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

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.

Methods and materials for containment and cleaning up : Clear spills immediately.  
Take any precaution to avoid mixing with combustibles.  
Soak up with inert absorbent material.  
Remove mechanically and with care (e.g. with clean polyethylene plastic shovel).  
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.  
Isolate waste and do not reuse.  
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.

### 7. HANDLING AND STORAGE

#### 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 breathe decomposition products.

# SAFETY DATA SHEET



## Vazo™ 67

Version 14.0	Revision Date: 2022/10/18	SDS Number: 1325306-00048	Date of last issue: 2022/07/19 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

Do not breathe dust.  
Do not swallow.  
Avoid contact with eyes.  
Avoid prolonged or repeated contact with skin.  
Wash skin thoroughly after handling.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Non-sparking tools should be used.  
Prevent pressure build-up  
Protect container from physical shock.  
Protect from contamination.  
Minimize dust generation and accumulation.  
Keep container closed when not in use.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep away from clothing and other combustible materials.  
Take precautionary measures against static discharges.  
Do not eat, drink or smoke when using this product.  
Keep only in original packaging.  
Take care to prevent spills, waste and minimize release to the environment.

Avoidance of contact : Oxidizing agents  
Avoid impurities (e.g. rust, dust, ash), risk of decomposition.  
Flammable materials

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.  
Wash contaminated clothing before re-use.

### Storage

Conditions for safe storage : Keep in properly labelled containers.  
Store in original container.  
Keep in a dry, cool and well-ventilated place.  
Protect from sunlight.  
Adhere to recommended storage temperature.  
Store in accordance with the particular national regulations.  
Keep away from heat and sources of ignition.

Materials to avoid : Do not store with the following product types:  
Oxidizing solids  
Spontaneously combustible substances and water- reactive materials  
Oxidizing liquids

Recommended storage temperature : < 24 °C

Packaging material : Unsuitable material: None known.

# SAFETY DATA SHEET



## Vazo™ 67

Version 14.0      Revision Date: 2022/10/18      SDS Number: 1325306-00048      Date of last issue: 2022/07/19  
Date of first issue: 2017/02/27

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Threshold limit value and permissible exposure limits for each component in the work environment

Contains no substances with occupational exposure limit values.

#### Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Hydrogen cyanide	74-90-8	ACL	3 ppm	JP OEL ISHL
		OEL-M	5 ppm 5.5 mg/m3	JP OEL JSOH
	Further information: Skin absorption			
		C	4.7 ppm (Cyanide)	ACGIH
Carbon monoxide	630-08-0	OEL-M	50 ppm 57 mg/m3	JP OEL JSOH
	Further information: Group 1: Substances known to cause reproductive toxicity in humans			
		TWA	25 ppm	ACGIH
Carbon dioxide	124-38-9	OEL-M	5,000 ppm 9,000 mg/m3	JP OEL JSOH
		TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH

**Engineering measures** : Processing may form hazardous compounds (see section 10).  
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

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

Filter type : Self-contained breathing apparatus

Hand protection  
Material : Neoprene

Remarks : Choose gloves to protect hands against chemicals depending

# SAFETY DATA SHEET



## Vazo™ 67

Version 14.0	Revision Date: 2022/10/18	SDS Number: 1325306-00048	Date of last issue: 2022/07/19 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

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!

- Eye protection : Wear the following personal protective equipment:  
Safety goggles
- 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).

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : solid, crystalline
- Colour : white
- Odour : odourless
- Odour Threshold : No data available
- Melting point/freezing point : 49.4 °C  
Do not attempt to verify melting point; decomposition can be violent.
- Boiling point, initial boiling point and boiling range : No data available
- Flammability (solid, gas) : May form explosive dust-air mixture.
- Lower explosion limit and upper explosion limit / flammability limit  
Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : 0.03 - 0.04 %(V)
- Flash point : Not applicable
- Decomposition temperature : The product is a self-reactive substance or mixture classified

# SAFETY DATA SHEET



## Vazo™ 67

Version 14.0	Revision Date: 2022/10/18	SDS Number: 1325306-00048	Date of last issue: 2022/07/19 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

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	as type D.
pH	: 7
Evaporation rate	: Not applicable
Bulk density	: 400 kg/m <sup>3</sup>
Auto-ignition temperature	: 185 °C
Self-Accelerating decomposition temperature (SADT)	: 45 °C
Viscosity	
Viscosity, kinematic	: Not applicable
Solubility(ies)	
Water solubility	: < 10 g/l
Partition coefficient: n-octanol/water	: log Pow: 2.07 (20 °C)
Vapour pressure	: 0.00354 hPa (25 °C)
Density and / or relative density	
Relative density	: 1.1 (25 °C)
Relative vapour density	: Not applicable
Explosive properties	: Extreme risk of explosion by shock, friction, fire or other sources of ignition.
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Particle characteristics	
Particle size	: No data available

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### 10. STABILITY AND REACTIVITY

Reactivity	: Heating may cause a fire.
Chemical stability	: Follow precautionary advice and avoid incompatible materials and conditions
Possibility of hazardous reactions	: May form explosive dust-air mixture. Oxidizing material can cause a reaction. Hazardous decomposition products will be formed at elevated temperatures. May explode under confinement.
Conditions to avoid	: Heat, flames and sparks. Protect from contamination.



# SAFETY DATA SHEET



## Vazo™ 67

Version	Revision Date:	SDS Number:	Date of last issue: 2022/07/19
14.0	2022/10/18	1325306-00048	Date of first issue: 2017/02/27

Avoid dust formation.  
Temperatures greater than recommended storage temperature.  
Contact with incompatible substances can cause decomposition at or below SADT.

Incompatible materials : Oxidizing agents  
Avoid impurities (e.g. rust, dust, ash), risk of decomposition.  
Flammable materials

### Hazardous decomposition products

Thermal decomposition : Hydrogen cyanide  
Nitrogen  
Carbon monoxide  
Carbon dioxide

## 11. TOXICOLOGICAL INFORMATION

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

### Acute toxicity

Harmful if swallowed.

#### Product:

Acute oral toxicity : Acute toxicity estimate: 338.35 mg/kg  
Method: Calculation method

#### Components:

##### **2,2'-Azodi(2-methylbutyronitrile):**

Acute oral toxicity	: LD50 (Rat): 337 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: LC50 (Rat): > 8.9 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on data from similar materials

### Skin corrosion/irritation

Not classified based on available information.

# SAFETY DATA SHEET



## Vazo™ 67

Version	Revision Date:	SDS Number:	Date of last issue: 2022/07/19
14.0	2022/10/18	1325306-00048	Date of first issue: 2017/02/27

---

### Components:

#### **2,2'-Azodi(2-methylbutyronitrile):**

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

### **Serious eye damage/eye irritation**

Not classified based on available information.

### Components:

#### **2,2'-Azodi(2-methylbutyronitrile):**

Species	: Rabbit
Result	: No eye irritation
Method	: OECD Test Guideline 405

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

### Components:

#### **2,2'-Azodi(2-methylbutyronitrile):**

Test Type	: Maximisation Test
Exposure routes	: Skin contact
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: negative

Test Type	: Local lymph node assay (LLNA)
Exposure routes	: Skin contact
Species	: Mouse
Method	: OECD Test Guideline 429
Result	: negative
Remarks	: Based on data from similar materials

### **Germ cell mutagenicity**

Not classified based on available information.

### Components:

#### **2,2'-Azodi(2-methylbutyronitrile):**

Genotoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative Remarks: Based on data from similar materials
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	: Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative
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# SAFETY DATA SHEET



## Vazo™ 67

Version 14.0	Revision Date: 2022/10/18	SDS Number: 1325306-00048	Date of last issue: 2022/07/19 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

Remarks: Based on data from similar materials

Test Type: Chromosome aberration test in vitro

Method: OECD Test Guideline 473

Result: negative

Remarks: Based on data from similar materials

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

Not classified based on available information.

#### Components:

##### 2,2'-Azodi(2-methylbutyronitrile):

Exposure routes : Ingestion  
Assessment : No significant health effects observed in animals at concentrations of 2000 mg/kg bw or less

Exposure routes : inhalation (dust/mist/fume)  
Assessment : No significant health effects observed in animals at concentrations of 5.0 mg/l/4h or less

Exposure routes : Skin contact  
Assessment : No significant health effects observed in animals at concentrations of 2000 mg/kg bw or less

### STOT - repeated exposure

Not classified based on available information.

#### Components:

##### 2,2'-Azodi(2-methylbutyronitrile):

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

### Repeated dose toxicity

#### Components:

##### 2,2'-Azodi(2-methylbutyronitrile):

Species : Rat, male and female  
NOAEL : 10 mg/kg  
LOAEL : 50 mg/kg  
Application Route : Ingestion  
Exposure time : 42 Days  
Method : OECD Test Guideline 422

# SAFETY DATA SHEET



## Vazo™ 67

Version	Revision Date:	SDS Number:	Date of last issue:
14.0	2022/10/18	1325306-00048	2022/07/19
			Date of first issue: 2017/02/27

Remarks : Based on data from similar materials

### Aspiration toxicity

Not classified based on available information.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### 2,2'-Azodi(2-methylbutyronitrile):

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): 580 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 51.9 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): 67 mg/l Exposure time: 72 h Method: OECD Test Guideline 201  NOEC (Pseudokirchneriella subcapitata (green algae)): 12.5 mg/l Exposure time: 3 d Method: OECD Test Guideline 201
Toxicity to fish (Chronic toxicity)	: NOEC (Oryzias latipes (Japanese medaka)): > 10 mg/l Exposure time: 14 d Method: OECD Test Guideline 204 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 2.2 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Remarks: Based on data from similar materials

### Persistence and degradability

#### Components:

##### 2,2'-Azodi(2-methylbutyronitrile):

Biodegradability	: Result: Not readily biodegradable. Method: OECD Test Guideline 301D Remarks: Based on data from similar materials
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### Bioaccumulative potential

#### Components:

##### 2,2'-Azodi(2-methylbutyronitrile):

# SAFETY DATA SHEET



## Vazo™ 67

Version	Revision Date:	SDS Number:	Date of last issue: 2022/07/19
14.0	2022/10/18	1325306-00048	Date of first issue: 2017/02/27

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

### Mobility in soil

No data available

### Hazardous to the ozone layer

Not applicable

### Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

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.

## 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

UN number : UN 3236  
Proper shipping name : SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED (2,2'-AZODI(2-METHYLBUTYRONITRILE))  
Class : 4.1  
Packing group : Not assigned by regulation  
Labels : 4.1

#### IATA-DGR

Not permitted for transport

#### IMDG-Code

UN number : UN 3236  
Proper shipping name : SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED (2,2'-AZODI(2-METHYLBUTYRONITRILE))

Class : 4.1  
Packing group : Not assigned by regulation  
Labels : 4.1  
EmS Code : F-F, S-K  
Marine pollutant : no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

Refer to section 15 for specific national regulation.

### 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

# SAFETY DATA SHEET



## Vazo™ 67

Version	Revision Date:	SDS Number:	Date of last issue: 2022/07/19
14.0	2022/10/18	1325306-00048	Date of first issue: 2017/02/27

Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 15. REGULATORY INFORMATION

#### Related Regulations

##### Fire Service Law

Group 5, Azo compounds, 2nd self-reactive materials, (100 kilogram), Hazardous rank II

##### Chemical Substance Control Law

Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.

##### Industrial Safety and Health Law

##### Harmful Substances Prohibited from Manufacture

Not applicable

##### Harmful Substances Required Permission for Manufacture

Not applicable

##### Substances Prevented From Impairment of Health

Not applicable

##### Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity

Not applicable

##### Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity

Not applicable

##### Substances Subject to be Notified Names

Not applicable

##### Substances Subject to be Indicated Names

Not applicable

##### Ordinance on Prevention of Hazards Due to Specified Chemical Substances

Not applicable

##### Ordinance on Prevention of Lead Poisoning

Not applicable

##### Ordinance on Prevention of Tetraalkyl Lead Poisoning

Not applicable

##### Ordinance on Prevention of Organic Solvent Poisoning

Not applicable

##### Enforcement Order of the Industrial Safety and Health Law - Attached table 1 (Dangerous Substances)

Not applicable

##### Poisonous and Deleterious Substances Control Law

Deleterious substance

Chemical name	Cabinet Order Number
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# SAFETY DATA SHEET



## Vazo™ 67

Version	Revision Date:	SDS Number:	Date of last issue: 2022/07/19
14.0	2022/10/18	1325306-00048	Date of first issue: 2017/02/27

Organic cyanide compounds and preparations

32

### Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof

#### Until March 31st, 2023

Not applicable

#### From April 1st, 2023

Not applicable

#### High Pressure Gas Safety Act

Not applicable

#### Explosive Control Law

Not applicable

#### Vessel Safety Law

Flammable solids (Article 2 and 3 of rules on shipping and storage of dangerous goods and its Attached Table 1)

#### Aviation Law

Loading forbidden

#### Marine Pollution and Sea Disaster Prevention etc Law

Bulk transportation : Not classified as noxious liquid substance

Pack transportation : Not classified as marine pollutant

#### Narcotics and Psychotropics Control Act

Narcotic or Psychotropic Raw Material (Export / Import Permission)

Not applicable

Specific Narcotic or Psychotropic Raw Material (Export / Import permission)

Not applicable

#### Waste Disposal and Public Cleansing Law

Specially Controlled Industrial Waste

## 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.  
Samples of 100 grams or less per package may ship as UN3226 without temperature control per CA-1998100007.

# SAFETY DATA SHEET



## Vazo™ 67

Version	Revision Date:	SDS Number:	Date of last issue: 2022/07/19
14.0	2022/10/18	1325306-00048	Date of first issue: 2017/02/27

### 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/>

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

Date format : yyyy/mm/dd

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
JP OEL ISHL : Japan. Administrative Control Levels  
JP OEL JSOH : Japan. The Japan Society for Occupational Health. Recommendation of Occupational Exposure Limits

ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
ACGIH / C : Ceiling limit  
JP OEL ISHL / ACL : Administrative Control level  
JP OEL JSOH / OEL-M : Occupational Exposure Limit-Mean

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; ERG - Emergency Response Guide; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System



# SAFETY DATA SHEET



## Vazo™ 67

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