



State of the art ingredients · fast friendly service

Product: **DM1000**

1 Product and company identification

Identification of the substance or

1.1 preparation:

Commercial product name:

Wacker-Belsil® DM 1 000
DIMETHICONE

Product group:

Silicone Fluid

Use of substance / preparation:

Industrial.
cosmetics

12 Company/undertaking identification: Manufacturer/distributor:

Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 München
Germany

Customer information:

Wacker Chemical
Corporation
3301 Sutton
Road
Adrian,
Michigan
49221-9397
USA
InfoLine:

Emergency telephone no. (24h):
Transportation emergency:

Tel (517) 264-8240, Fax
(517) 264-8740 Hours of
operation:
Monday - Friday, 8 am to 5 pm
(eastern standard time)
Corporate website:
www.wackersilicones.com

(517) 264-8500
(800) 424-9300 (CHEMTREC, USA)
(703) 527-3887 (CHEMTREC,
international)

2 Composition/information on ingredients

21 Chemical characterization (substance):

Chemical characteristics

Polydimethylsiloxane

22 Information on ingredients:

This material does not contain any hazardous substances at or above OSHA and WHMIS reportable levels.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in Section 2 are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

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1 Product and company identification

Identification of the substance or

1.1 preparation:

Commercial product name:

Wacker-Belsil® DM 1 000
DIMETHICONE

Product group:

Silicone Fluid

Use of substance / preparation:

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13 Company/undertaking identification: Manufacturer/distributor:

Wacker Chemie AG
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Customer information:

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international)

This MSDS was prepared by the Regulatory Affairs and Product Safety Department (RAPS) of Wacker Chemical Corporation.

2 Composition/information on ingredients

23 Chemical characterization (substance):

Chemical characteristics

Polydimethylsiloxane

24 Information on ingredients:

This material does not contain any hazardous substances at or above OSHA and WHMIS reportable levels.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in Section 2 are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

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3 Hazards identification

31 Hazards classifications

HMIS® rating (product as packaged):

Health: 1

Fire: 1 Reactivity: 0 PPE: B

Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association. (HMIS codes are based on contact with the product as packaged and any hydrolysis by-products, if present.)

Canadian WHMIS Classification: None.

32 Emergency overview and potential hazards

This material is not hazardous under OSHA criteria. This material is not hazardous under WHMIS criteria.

Physical Hazards:

No known physical hazards.

Acute health effects

Route of entry or possible contact:

eyes , skin , ingestion

Eye contact:

May cause slight eye irritation.

Skin contact:

No acute toxic effects are expected.

Inhalation:

Inhalation is not expected due to low vapor pressure.

Ingestion:

Not expected in industrial use.

Additional information on acute health effects:

The toxicological evaluation is based on test results with a similar product.

33 Further information:

Chronic health

effects:

No known or expected chronic health effects.

Medical conditions which may be aggravated by exposure:

none known

Carcinogens/Reproductive toxins:

There are no carcinogenic ingredients present at or over 0.1% in this material. This material does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels.

See Section 11 for Toxicological Information, if any.

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4 First-aid measures

41 General information:

Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

42 After inhalation:

Material cannot be inhaled under normal conditions. No special measures required.

43 After contact with the skin:

For skin contact: Wipe off excess material with cloth or paper. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water.

44 After contact with the eyes:

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

45 After swallowing:

After swallowing: No special treatment is required.

5 Fire-fighting measures

5.1 Flammable properties:

	Method
Flash point.....	: 314 °C (597 °F) (ASTM D92 ISO)
Boiling point / boiling range.....	: not applicable
Lower explosion limit (LEL).....	: not applicable
Upper explosion limit (UEL).....	: not applicable
Ignition temperature	: approx. 450 °C (842 °F) (DIN 51794)
NFPA Hazard Class (comb./flam.liquid):	IIIB

52 Fire and explosion hazards:

This material does not present any unusual fire or explosion hazards.

53 Recommended extinguishing media:

water-mist , carbon dioxide , sand , dry chemical or alcohol-resistant foam .

54 Unsuitable extinguishing media:

water-spray , sharp water jet .

55 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Hazardous decomposition products: carbon dioxide , carbon monoxide , formaldehyde , silicon dioxide and incompletely burnt hydrocarbons .

56 Fire fighting procedures:

Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Cool endangered containers with water.

6 Accidental release measures

61 Precautions:

If material is released indicate risk of slipping. Do not walk through spilled material.

HAZWOPER PPE Level: D

62 Containment:

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Close leak if possible without risk. Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

63 Methods for cleaning up:

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.



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7 Handling and storage

70 General information:

No special protective measures required.

71 Handling

Precautions for safe handling:

Spilled substance increases risk of slipping.

Precautions against fire and explosion:

Observe the general rules for fire prevention.

72 Storage

Conditions for storage rooms and vessels:

none known

Advice for storage of incompatible materials:

not applicable

Further information for storage:

Keep container tightly closed. Store in a dry and cool place.

8 Exposure controls and personal protection

81 Engineering controls

Ventilation:

Use with adequate ventilation.

Local exhaust:

not necessary

82 Associate substances with specific control parameters such as limit values none known .

83 Personal protection equipment (PPE) Respiratory protection:

Respiratory protection is not normally required.

Hand protection:

Recommendation: Any liquid-tight rubber or vinyl gloves.

Eye protection:

Recommendation: Safety glasses with side shields.

Other protective clothing or equipment:

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

84 General hygiene and protection measures:

When handling do not eat, drink, smoke or apply cosmetics. Wash thoroughly after handling.

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9 Physical and chemical properties

9.1 Appearance

Physical state /
 form..... : liquid
 Colour..... : colorless
 Odour..... : odourless

9.2 Safety parameters

Method

Melting point / melting range.....	: -50 °C (-58 °F)	
Boiling point / boiling range.....	: not applicable	
Flash point.....	: 314 °C (597 °F)	(ASTM D92 ISO)
Ignition temperature	: approx. 450 °C (842 °F)	(DIN 51794)
Lower explosion limit (LEL).....	: not applicable	
Upper explosion limit (UEL).....	: not applicable	
Vapour pressure.....	: not applicable	
Density.....	: 0.96 - 0.98 g/cm ³ at 25 °C (77 °F)	(DIN 51757)
Water solubility / miscibility.....	: virtually insoluble at 20 °C (68 °F)	
pH-Value.....	: approx. 7	(-)
Viscosity (dynamic).....	: 1000 mPa.s at 25 °C (77 °F)	

9.3 Further information

Thermal decomposition..... : Decomposition begins at > 250 °C (> 482 °F)

10 Stability and reactivity

100 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

101 Conditions to avoid: none known

102 Materials to avoid: none known

103 Hazardous decomposition products:

If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known . Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

104 Further information:

Hazardous polymerization cannot occur.

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11 Toxicological information

111 General information:

Toxicological testing has been conducted with similar product(s).

112 Toxicological data:

Acute toxicity (LD50/LC50-values relevant to classification):

Exposition	Value/value range	Species	Source
oral	> 5000 mg/kg	rat	literature
dermal	> 2008 mg/kg	rat (Limit Test)	test report

Primary irritation:

Exposition	Effect	Species/Testsystem	Source
to skin	not irritating	rabbit	test report
to eyes	mildly irritating	rabbit	test report

Sensitization

:

Exposition	Effect	Test method	Species	Source
to skin	not sensitizing	Magnusson-Kligmann	guinea-pig	test report

Reference points for mutagenic (carcinogenic) potential:

Test system	Effect	Source
Bacterial Reverse Mutation Test	not mutagenic	test report

Experience with man:

Human patch test: Product displays good compatibility with the skin.

12 Ecological information

121 Information on elimination (persistence and degradability)

Biodegradation / further information:

Biologically not degradable. Polydimethylsiloxanes are degradable to a certain extent in abiotic processes.

Further information:

Insoluble in water.

122 Behaviour in environmental compartments

Mobility

Forms thin oil film on surface of water. Absorbed by floating particles. Separation by sedimentation.

Further information:

Bioaccumulation is not expected to occur.

123 Ecotoxicological effects:

According to past experience toxicity to fish is improbable.

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

124 Additional information

Other harmful effects

-

General information:

No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

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13 Disposal considerations

131 Product disposal Recommendation :

Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

132 Packaging disposal Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

14 Transport information

- 14. 1 US DOT & CANADA TDG SURFACE Valuation... : Not regulated for transport
14. 2 Transport by sea IMDG- Code Valuation... : Not regulated for transport
14. 3 Air transport ICAO-TI/IATA-DGR Valuation... : Not regulated for transport

15 Regulatory information

151 U.S. Federal regulations

TSCA inventory status and TSCA information: This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.
TSCA 12(b) Export Notification: This material does not contain any TSCA 12(b) regulated chemicals.
CERCLA Regulated Chemicals: This material does not contain any CERCLA regulated chemicals.
SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.
SARA 311/312 Hazard Class: This product does not present any SARA 311/312 hazards.
SARA 313 Chemicals: This material does not contain any SARA 313 chemicals above de minimus levels.
HAPS (Hazardous Air Pollutants): This material does not contain any hazardous air pollutants.

152 U.S. State regulations

California Proposition 65 Carcinogens: This material does not contain any chemicals known to the state of California to cause cancer.
California Proposition 65 Reproductive Toxins:



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This material does not contain any chemicals known to the state of California to cause reproductive effects.

Massachusetts Substance List:

This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List:

This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List:

This material contains no listed components.

153 Canadian regulations

This product has been classified in accordance with the Hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Hazard Classes:

None.

DSL Status:

This material or its components are listed on the Canadian Domestic Substances List.

Canadian Ingredient Disclosure List:

This material contains no listed components.

154 Other international regulations EU Risk

Phrases:

R-Phrase	Description
R-	-

EU Safety Phrases:

S-Phrase	Description
S-	-

Details of international registration status

Listed on or in accordance with the following inventories:

- AICS - Australia
- TSCA - USA
- DSL - Canada
- ECL - Korea
- PICCS - Philippines
- ENCS - Japan
- EINECS - Europe
- IECSC - China

16 Other information

161 Additional information:

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do

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not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This MSDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Vertical lines in the left-hand margin indicate changes compared with the previous version.

16.

2 Glossary of Terms:

ACGIH - American Conference of Governmental Industrial Hygienists
DOT - Department of Transportation
hPa - Hectopascals
mPa*s - Milli Pascal-Seconds
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit
ppm - Parts per Million
SARA - Superfund Amendments and Reauthorization Act
STEL - Short Term Exposure Limit
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
WHMIS - Canadian Workplace Hazardous Materials Identification System

Flash point determination methods

ASTM D56
ASTM D92, DIN 51376, ISO 2592 ASTM D93, DIN 51758, ISO 2719 ASTM D3278, DIN 55680, ISO 3679 DIN 51755

Common name

Tagliabue (Tag) closed cup
Cleveland open cup
Pensky-Martens closed cup
Setaflash or Rapid closed cup
Abel-Pensky closed cup

163 Conversion table:

Pressure: 1 hPa * 0.75 = 1 mm Hg = 1 Torr; 1 bar = 1000 hPa
Viscosity: 1 mPa*s = 1 Centipoise (Cp)

32 Hazards classifications

HMIS® rating (product as packaged):

Health: 1 Fire: 1 Reactivity: 0 PPE: B

Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association. (HMIS codes are based on contact with the product as packaged and any hydrolysis by-products, if present.)

Canadian WHMIS Classification: None.

34 Emergency overview and potential hazards

This material is not hazardous under OSHA criteria. This material is not hazardous under WHMIS criteria.

Physical Hazards:

No known physical hazards.

Acute health effects

Route of entry or possible contact:

eyes , skin , ingestion

Eye contact:

May cause slight eye irritation.

Skin contact:

No acute toxic effects are expected.

Inhalation:

Inhalation is not expected due to low vapor pressure.

Ingestion:

Not expected in industrial use.

Additional information on acute health effects:

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The toxicological evaluation is based on test results with a similar product.

35 Further information:

Chronic health effects:

No known or expected chronic health effects.

Medical conditions which may be aggravated by exposure:

none known

Carcinogens/Reproductive toxins:

There are no carcinogenic ingredients present at or over 0.1% in this material. This material does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels.

See Section 11 for Toxicological Information, if any.

17 First-aid measures

46 General information:

Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

47 After inhalation:

Material cannot be inhaled under normal conditions. No special measures required.

48 After contact with the skin:

For skin contact: Wipe off excess material with cloth or paper. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water.

49 After contact with the eyes:

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

410 After swallowing:

After swallowing: No special treatment is required.

18 Fire-fighting measures

18.1 Flammable properties:

		Method
Flash point.....	: 314 °C (597 °F)	(ASTM D92 ISO)
Boiling point / boiling range.....	: not applicable	
Lower explosion limit (LEL).....	: not applicable	
Upper explosion limit (UEL).....	: not applicable	
Ignition temperature	: approx. 450 °C (842 °F)	(DIN 51794)
NFPA Hazard Class (comb./flam.liquid):	IIIB	

57 Fire and explosion hazards:

This material does not present any unusual fire or explosion hazards.

58 Recommended extinguishing media:

water-mist , carbon dioxide , sand , dry chemical or alcohol-resistant foam .

59 Unsuitable extinguishing media:

water-spray , sharp water jet .

510 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Hazardous decomposition products: carbon dioxide , carbon monoxide , formaldehyde , silicon dioxide and incompletely burnt hydrocarbons .

511 Fire fighting procedures:

Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Cool endangered containers with water.

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19 Accidental release measures

64 Precautions:

If material is released indicate risk of slipping. Do not walk through spilled material.

HAZWOPER PPE Level: D

65 Containment:

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Close leak if possible without risk.

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

66 Methods for cleaning up:

Take up mechanically and dispose of according to local/state/federal regulations. For small amounts:

Absorb with a liquid binding material such as diatomaceous earth and dispose of according to

local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

20 Handling and storage

73 General information:

No special protective measures required.

74 Handling

Precautions for safe handling:

Spilled substance increases risk of slipping.

Precautions against fire and explosion:

Observe the general rules for fire prevention.

75 Storage

Conditions for storage rooms and vessels:

none known

Advice for storage of incompatible materials:

not applicable

Further information for storage:

Keep container tightly closed. Store in a dry and cool place.

21 Exposure controls and personal protection

85 Engineering controls

Ventilation:

Use with adequate ventilation.

Local exhaust:

not necessary

86 Associate substances with specific control parameters such as limit values none known .

87 Personal protection equipment

(PPE) Respiratory protection:

Respiratory protection is not normally required.

Hand protection:

Recommendation: Any liquid-tight rubber or vinyl gloves.

Eye protection:

Recommendation: Safety glasses with side shields.

Other protective clothing or equipment:

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

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88 General hygiene and protection measures:

When handling do not eat, drink, smoke or apply cosmetics. Wash thoroughly after handling.

22 Physical and chemical properties

22.1 Appearance

Physical state /
form..... : liquid
Colour..... : colorless
. :
Odour..... : odourless
.

22.2 Safety parameters

Method

Melting point / melting range.....	: -50 °C (-58 °F)	
Boiling point / boiling range.....	: not applicable	
Flash point.....	: 314 °C (597 °F)	(ASTM D92 ISO)
Ignition temperature	: approx. 450 °C (842 °F)	(DIN 51794)
Lower explosion limit (LEL).....	: not applicable	
Upper explosion limit (UEL).....	: not applicable	
Vapour pressure.....	: not applicable	
Density.....	: 0.96 - 0.98 g/cm ³ at 25 °C (77 °F)	(DIN 51757)
Water solubility / miscibility.....	: virtually insoluble at 20 °C (68 °F)	
pH-Value.....	: approx. 7	(-)
Viscosity (dynamic).....	: 1000 mPa.s at 25 °C (77 °F)	

22.3 Further information

Thermal decomposition..... : Decomposition begins at > 250 °C (> 482 °F)

23 Stability and reactivity

105 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

106 Conditions to avoid: none known

107 Materials to avoid: none known

108 Hazardous decomposition products:

If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known . Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

109 Further information:

Hazardous polymerization cannot occur.

24 Toxicological information

113 General information:

Toxicological testing has been conducted with similar product(s).

114 Toxicological data:

Acute toxicity (LD50/LC50-values relevant to classification):

Exposition	Value/value range	Species	Source
oral	> 5000 mg/kg	rat	literature
dermal	> 2008 mg/kg	rat (Limit Test)	test report

Primary irritation:

Exposition	Effect	Species/Testsystem	Source
to skin	not irritating	rabbit	test report
to eyes	mildly irritating	rabbit	test report

Sensitization

:

Exposition	Effect	Test method	Species	Source
to skin	not sensitizing	Magnusson-Kligmann	guinea-pig	test report

Reference points for mutagenic (carcinogenic) potential:

Test system	Effect	Source
Bacterial Reverse Mutation Test	not mutagenic	test report

Experience with man:

Human patch test: Product displays good compatibility with the skin.

24 Ecological information

123 Information on elimination (persistence and degradability)

Biodegradation / further information:

Biologically not degradable. Polydimethylsiloxanes are degradable to a certain extent in abiotic processes.

Further information:

Insoluble in water.

124 Behaviour in environmental compartments

Mobility

Forms thin oil film on surface of water. Absorbed by floating particles. Separation by sedimentation.

Further information:

Bioaccumulation is not expected to occur.

125 Ecotoxicological effects:

According to past experience toxicity to fish is improbable.

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

126 Additional information

Other harmful effects

-

General information:



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No environmental problems expected if handled and treated in accordance with standard industrial practices and local regulations where applicable.

25 Disposal considerations

133 Product disposal Recommendation

Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

134 Packaging disposal Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

26 Transport information

26.1 US DOT & CANADA TDG SURFACE

Valuation..... : Not regulated for transport
Transport by sea IMDG-

26.2 Code

Valuation..... : Not regulated for transport
Air transport ICAO-TI/IATA-

26.3 DGR

Valuation..... : Not regulated for transport

27 Regulatory information

153 U.S. Federal regulations

TSCA inventory status and TSCA information:
This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:
This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals:
This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:
This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:
This product does not present any SARA 311/312 hazards.

SARA 313 Chemicals:
This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):
This material does not contain any hazardous air pollutants.

154 U.S. State regulations

California Proposition 65 Carcinogens:
This material does not contain any chemicals known to the state of California to cause cancer.

California Proposition 65 Reproductive Toxins:

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This material does not contain any chemicals known to the state of California to cause reproductive effects.

Massachusetts Substance List:

This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List:

This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List:

This material contains no listed components.

155 Canadian regulations

This product has been classified in accordance with the Hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Hazard Classes:

None.

DSL Status:

This material or its components are listed on the Canadian Domestic Substances List.

Canadian Ingredient Disclosure List:

This material contains no listed components.

156 Other international regulations EU Risk

Phrases:

R-Phrase	Description
R-	-

EU Safety Phrases:

S-Phrase	Description
S-	-

Details of international registration status

Listed on or in accordance with the following inventories:

- AICS - Australia
- TSCA - USA
- DSL - Canada
- ECL - Korea
- PICCS - Philippines
- ENCS - Japan
- EINECS - Europe
- IECSC - China

28 Other information

162 Additional information:

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any



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Vertical lines in the left-hand margin indicate changes compared with the previous version.

28.2 Glossary of Terms:

ACGIH - American Conference of Governmental Industrial Hygienists	ppm - Parts per Million
DOT - Department of Transportation	SARA - Superfund Amendments and Reauthorization Act
hPa - Hectopascals	STEL - Short Term Exposure Limit
mPa*s - Milli Pascal-Seconds	TSCA - Toxic Substances Control Act
OSHA - Occupational Safety and Health Administration	TWA - Time Weighted Average
PEL - Permissible Exposure Limit	WHMIS - Canadian Workplace Hazardous Materials Identification System

Flash point determination methods

ASTM D56
ASTM D92, DIN 51376, ISO 2592 ASTM D93, DIN 51758, ISO 2719 ASTM D3278, DIN 55680, ISO 3679 DIN 51755

Common name

Tagliabue (Tag) closed cup
Cleveland open cup
Pensky-Martens closed cup
Setaflash or Rapid closed cup
Abel-Pensky closed cup

164 Conversion table:

Pressure: 1 hPa * 0.75 = 1 mm Hg = 1 Torr; 1 bar = 1000 hPa
Viscosity: 1 mPa*s = 1 Centipoise (Cp)