



D-5100NS

Safety Data Sheet

according to the Model Work Health and Safety Regulations

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Version: 1.0

SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Product form : Mixture
Product name : D-5100NS

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Lubricants, Greases and Release Products

1.4. Supplier's details

No additional information available

1.5. Emergency phone number

Emergency number : 1-800-424-9300

Country	Organization/Company	Address	Emergency number	Comment
US	Chemtrec		1-800-424-9300	

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable aerosols, Category 2 H223

2.2. Label elements

Hazard pictograms (GHS AU) :



Signal word (GHS AU) : Warning
Hazard statements (GHS AU) : H223 - Flammable aerosol
Precautionary statements (GHS AU) : P210 - Keep away from open flames. - No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

Name	CAS-No.	Conc.	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
DIMETHYL ETHER ()	115-10-6	20-40	Not classified
Other substances (not contributing to the classification of this product)		70	

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects after skin contact : Slight irritation.
Symptoms/effects after eye contact : Causes serious eye irritation.
Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting.

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

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable liquid and vapour.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Storage area : Store away from heat. Store in a well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Personal protective equipment

Personal protective equipment : Protective clothing. Safety glasses. Gloves.

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

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Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available.
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point / Freezing point	: Melting point : No data available. Freezing point : < 21
Boiling point	: No data available
Flash point	: < 58 °C
Auto-ignition temperature	: No data available.
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative density	: Relative vapor density at 20 °C : No data available.
Specific gravity / density	: Specific gravity / density : 0.8 g/ml Relative density : 0.8
Solubility	: No data available
Log Pow	: No data available
Explosive properties	: No data available
Explosion limits	: No data available
Minimum ignition energy	: No data available
VOC content	: 19
Fat solubility	: No data available

SECTION 10: Stability and reactivity

Reactivity	: Extremely flammable liquid and vapour. Extremely flammable liquid and vapour
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

DIMETHYL ETHER (115-10-6)	
LC50 inhalation rat (mg/l)	309 mg/l (Other, 4 h, Rat, Male, Experimental value, Inhalation (gases))
LC50 inhalation rat (ppm)	164000 ppm (Other, 4 h, Rat, Male, Experimental value, Inhalation (gases))

Skin corrosion/irritation	: Not classified pH: No data available.
Serious eye damage/irritation	: Not classified pH: No data available.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Vaporizer	Aerosol

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

DIMETHYL ETHER (115-10-6)	
LC50 fish 1	> 4100 mg/l (Other, 96 h, Poecilia reticulata, Semi-static system, Fresh water, Experimental value)
EC50 Daphnia 1	> 4400 mg/l (Other, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
Log Pow	0.1 (Experimental value)

12.2. Persistence and degradability

DIMETHYL ETHER (115-10-6)	
Persistence and degradability	Non degradable in the soil. Not readily biodegradable in water.

12.3. Bioaccumulative potential

DIMETHYL ETHER (115-10-6)	
Log Pow	See section 12.1 on ecotoxicology
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

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Mobility in soil	Readily absorbed into soil

DIMETHYL ETHER (115-10-6)	
Surface tension	0.02 N/m (-40 °C)
Log Pow	See section 12.1 on ecotoxicology
Ecology - soil	Not applicable (gas).

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

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Fluorinated greenhouse gases	False

DIMETHYL ETHER (115-10-6)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Flammable vapors may accumulate in the container.




SECTION 14: Transport information

ADG	IMDG	IATA
14.1. UN number		
1950	1950	1950
14.2. UN proper shipping name		
AEROSOLS	AEROSOLS	Aerosols, flammable

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ADG	IMDG	IATA
14.3. Transport hazard class(es)		
2.1 2.1 	2.1 2.1 	2.1 2.1 
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
	Marine pollutant : No	

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG) : 1950
Special provision (ADG) : 63, 190, 277, 327, 344
Limited quantities (ADG) : See SP 277
Packing instructions (ADG) : P207, LP02
Special packing provisions (ADG) : PP87, L2

Transport by sea

UN-No. (IMDG) : 1950
Special provision (IMDG) : 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG) : P207, LP200
Packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage) : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG) : None

Air transport

UN-No. (IATA) : 1950
PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg
Special provision (IATA) : A145, A167, A802
ERG code (IATA) : 10L

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

SECTION 15: Regulatory information

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

National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

Australian Inventory of Chemical Substances (AICS) status : All the chemicals contained in this product are listed on the AICS

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15.2. International agreements

No additional information available

SECTION 16: Any other relevant information

Classification:

Flam. Aerosol 2	H223
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Full text of H-phrases:

Flam. Aerosol 2	Flammable aerosol Category 2
H223	Flammable aerosol

SDS Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.