



Safety Data Sheet

according to WHS Regulations

Printing date 14.09.2020

Revision: 14.09.2020

1 Identification

Product Name: DYNAGRIP CA122 DEBONDER 20GM - 20122

Other Means of Identification: Mixture

Product Code: 20122

Recommended Use of the Chemical and Restriction on Use: Industrial and professional use.

Details of Manufacturer or Importer:

AFC INTERNATIONAL PTY LTD

21-23 Hobart St

Riverstone NSW 2765

Phone Number: 02 9627 7125

Emergency telephone number: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flammable Liquids 3 H226 Flammable liquid and vapour.



Acute Toxicity (Oral) 4 H302 Harmful if swallowed.

Signal Word Warning

Hazard Statements

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

P330 Rinse mouth.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 75-52-5	Nitromethane	⚠ Flammable Liquids 3, H226;	⚠ Acute Toxicity (Oral) 4, H302	80-90%
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4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if symptoms persist.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water or milk. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: If exposed to high concentrations of vapours, may cause narcotic effects or intoxication.

Skin Contact: No adverse health effects expected.

Eye Contact: May cause eye irritation.

Ingestion: Harmful if swallowed.

5 Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical powder, alcohol foam, carbon dioxide and water fog.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include carbon dioxide, carbon monoxide and nitrogen.

Product is flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains and water courses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

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6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions: In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other non flammable absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Ground / bond containers and receiving containers. Use only non sparking tools.

Handle with care. Avoid bumps, friction and impact.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet.

Wash contaminated clothing and other protective equipment before storage or re-use. Provide eye wash stations and safety showers in proximity of where the product is being used.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep under nitrogen. Keep container tightly closed when not in use. Protect from direct sunlight, heat, sparks, open flames and other sources of ignition. Store away from strong acids, amines, aldehydes, ketones, bases, lead, acetone, metal, copper, reducing agents, strong oxidising agents, ammonium nitrate, gases, explosives, flammable solids, pyrophoric liquids and solids, self-heating substances and mixtures, substances and mixtures which in contact with water emit flammable gases, self-reactive substances and mixtures, organic peroxides, non combustible toxic substances, radioactive substances and infectious substances.

8 Exposure Controls and Personal Protection

Exposure Standards:

CAS: 75-52-5 Nitromethane

WES TWA: 50 mg/m³, 20 ppm

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Respiratory protection is not required under normal use conditions.

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

In case of prolonged or frequent skin contact, use fluororubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

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Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour Threshold:	Not determined.
pH-Value:	Not determined.
Melting point/freezing point:	-29 °C (Nitromethane)
Initial Boiling Point/Boiling Range:	101 °C (Nitromethane)
Flash Point:	36 °C (Nitromethane)
Flammability:	Flammable.
Ignition Temperature	415 °C (Nitromethane)
Decomposition Temperature:	Not determined.
Explosion Limits:	
Lower:	7.1 Vol % (Nitromethane)
Upper:	63 Vol % (Nitromethane)
Vapour Pressure at 20 °C:	36 hPa (Nitromethane)
Density:	Not determined.
Relative Density:	Not determined.
Vapour Density:	Not determined.
Evaporation Rate:	Not determined.
Solubility in Water:	Not determined.
Partition Coefficient (n-octanol/water):	0.17 log POW (Nitromethane)
Viscosity:	Not determined.
Organic solvents:	80-90

10 Stability and Reactivity

Possibility of Hazardous Reactions: Nitromethane is shock sensitive.

Chemical Stability: Stable at ambient temperature and under normal conditions of use and storage.

Conditions to Avoid: Impact, shock or friction, heat, sparks, open flames, hot surfaces and direct sunlight.

Incompatible Materials:

Strong acids, amines, aldehydes, ketones, bases, lead, acetone, metal, copper, reducing agents, strong oxidising agents, ammonium nitrate, gases, explosives, flammable solids, pyrophoric liquids and solids, self-heating substances and mixtures, substances and mixtures which in contact with water emit flammable gases, self-reactive substances and mixtures, organic peroxides, non combustible toxic substances, radioactive substances and infectious substances.

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Hazardous Decomposition Products:

Hazardous combustion products include carbon dioxide, carbon monoxide and nitrogen.

11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:

CAS: 75-52-5 Nitromethane

Oral	LD50	940 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

Acute Health Effects

Inhalation: If exposed to high concentrations of vapours, may cause narcotic effects or intoxication.

Skin: No adverse health effects expected.

Eye: May cause eye irritation.

Ingestion: Harmful if swallowed.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: Nitromethane is classified by IARC as Group 2B - Possibly carcinogenic to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No data associated with long term health effects.

Existing Conditions Aggravated by Exposure: No data available.

12 Ecological Information

Ecotoxicity:

Aquatic toxicity:

CAS: 75-52-5 Nitromethane

EC50	>102 mg/l (algae)
	>103 mg/l (daphnia)
LC50	>659 mg/l (fish)

Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No further relevant information available.

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Mobility in Soil: No data available on finished product.
Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.
Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number
ADG, IMDG, IATA UN1261
Proper Shipping Name
ADG, IMDG, IATA NITROMETHANE
Dangerous Goods Class
ADG Class: 3 Flammable liquids.
Packing Group:
ADG, IMDG, IATA II
EMS Number: F-E,S-D
Hazchem Code: •2Y
Special Provisions: 26
Limited Quantities: 1L
Packagings & IBCs - Packing Instruction: P001

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 75-52-5 Nitromethane

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not a scheduled poison.

Australia: Priority Existing Chemicals

None of the ingredients is listed.

16 Other Information

Date of Preparation or Last Revision: 14.09.2020

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 3: Flammable liquids – Category 3

Acute Toxicity (Oral) 4: Acute toxicity - oral – Category 4

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - May 2018"

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