



Safety Data Sheet

according to WHS Regulations

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Printing date 16.09.2020

Revision: 16.09.2020

1 Identification

Product Name: DYNAGRIP CA770 ACTIVATOR 20GM 20144

Other Means of Identification: Mixture

Product Code: 20144

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 2 H225 Highly flammable liquid and vapour.



health hazard

Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



Acute Toxicity (Oral) 4 H302 Harmful if swallowed.

Skin Corrosion/Irritation 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Signal Word Danger

Hazard Statements

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

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H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
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.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P330 Rinse mouth.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
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: 142-82-5	Heptane ⚠ Flammable Liquids 2, H225; ⚠ Aspiration Hazard 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Corrosion/Irritation 2, H315; STOT SE 3, H336	50-100%
CAS: 99-97-	N,N-dimethyl-p-toluidine ⚠ Acute Toxicity (Oral) 3, H301; Acute Toxicity (Dermal) 3, H311; Acute Toxicity (Inhalation) 3, H331; ⚠ STOT RE 2, H373; Flammable Liquids 4, H227; Aquatic Chronic 3, H412	1-5%

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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. Rinse mouth with water. Give a glass of water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause drowsiness, dizziness and narcotic effects or intoxication.

Skin Contact: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Eye Contact: May cause eye irritation.

Ingestion: Harmful if swallowed. May be fatal if swallowed and enters airways.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use a solid water jet.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include carbon dioxide and carbon monoxide.

Product is highly flammable. Vapours may form explosive mixtures with air.

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.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection and protective clothing. 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.

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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.

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. Recommended storage temperature 20 °C. Keep container tightly closed when not in use. Protect from moisture, cold, direct sunlight, heat, sparks, open flames and other sources of ignition. Store away from hydrogen peroxide, bromine trifluoride, difluoridioxid, 2-methyl-1,3-butadiene, nitromethane, nitrosyl chloride (catalyst), nitrosylperchlorat, alkali hydroxide, bromine, fluorine, sodium, nitric acid, chromic acid, chromium trioxide, chromyl chloride, ethanolamine, potassium tert-butoxide, ammonium nitrate, strong oxidising agents, strong reducing agents, gas, 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, infectious substances. Store locked up.

8 Exposure Controls and Personal Protection

Exposure Standards:

CAS: 142-82-5 Heptane

WES	STEL: 2050 mg/m ³ , 500 ppm TWA: 1640 mg/m ³ , 400 ppm
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Engineering Controls:

Provide local or general exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards. Use explosion-proof ventilating equipment.

Respiratory Protection:

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. Respiratory protection is not required under normal use conditions.

Skin Protection:

Butyl rubber 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.

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.

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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:	Not determined.
Initial Boiling Point/Boiling Range:	56 °C
Flash Point:	<-20 °C
Flammability:	Highly flammable.
Ignition Temperature	370 °C
Explosion Limits:	
Lower:	2.5 Vol %
Upper:	14.3 Vol %
Vapour Pressure at 20 °C:	246 hPa
Density at 20 °C:	0.79 g/cm ³
Relative Density:	Not determined.
Vapour Density:	Not determined.
Evaporation Rate:	Not determined.
Solubility in Water:	Not miscible - partially miscible
Partition Coefficient (n-octanol/water):	- 0.24 log POW (heptane)
Viscosity:	Not determined.
Organic solvents:	50-100 %

10 Stability and Reactivity

Possibility of Hazardous Reactions:

Heating causes rise in pressure with risk of bursting. Flammable vapours can accumulate in head space of closed containers. During use, vapours may form explosive mixture with air.

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

Conditions to Avoid: Cold, moisture, heat, sparks, open flames, hot surfaces and direct sunlight.

Incompatible Materials:

Hydrogen peroxide, bromine trifluoride, difluorodioxid, 2-methyl-1,3-butadiene, nitromethane, nitrosyl chloride (catalyst), nitrosylperchlorat, alkali hydroxide, bromine, fluorine, sodium, nitric acid, chromic acid, chromium trioxide, chromyl chloride, ethanolamine, potassium tert-butoxide, ammonium nitrate, strong oxidising agents, strong reducing agents, gas, 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, infectious substances.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

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11 Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:

CAS: 142-82-5 Heptane

Oral	LD50	>15,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalation	L50/4 h	103,000 mg/m ³ (rat)

Acute Health Effects

Inhalation: May cause drowsiness, dizziness and narcotic effects or intoxication.

Skin: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Eye: May cause eye irritation.

Ingestion: Harmful if swallowed. May be fatal if swallowed and enters airways.

Skin Corrosion / Irritation: Causes skin irritation.

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: N,N-dimethyl-p-toluidine 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: May cause drowsiness and dizziness.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Chronic Health Effects: Repeated skin contact may cause dryness or cracking.

Existing Conditions Aggravated by Exposure: No data available.

12 Ecological Information

Ecotoxicity:

Aquatic toxicity:

Very Toxic to aquatic life with long lasting effects.

CAS: 142-82-5 Heptane

EC50/24 h	>10 mg/l (daphnia)
LC50/96 h	375 mg/l (fish)

CAS: 99-97-8 N,N-dimethyl-p-toluidine

LC50	46-53 mg/l (fish)
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Persistence and Degradability: Product is biodegradable.

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	UN1993
ADG, IMDG, IATA	
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (HEPTANES), ENVIRONMENTALLY HAZARDOUS
ADG	FLAMMABLE LIQUID, N.O.S. (HEPTANES), MARINE POLLUTANT
IMDG	FLAMMABLE LIQUID, N.O.S. (HEPTANES)
IATA	
Dangerous Goods Class	
ADG Class:	3 Flammable liquids.
Packing Group:	
ADG, IMDG, IATA	II
Marine pollutant:	Symbol (fish and tree)
EMS Number:	F-E,S-D
Hazchem Code:	•3Y
Special Provisions:	274
Limited Quantities:	1L
Packagings & IBCs - Packing Instruction:	P001, IBC02
Portable Tanks & Bulk Containers - Instructions:	T7
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP8, TP28

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 142-82-5	Heptane
CAS: 99-97-8	N,N-dimethyl-p-toluidine

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

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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

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 2: Flammable liquids – Category 2

Flammable Liquids 4: Flammable liquids – Category 4

Acute Toxicity (Oral) 3: Acute toxicity - oral – Category 3

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

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aspiration Hazard 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

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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