

Infosafe No™ VAR7M Issue Date : December 2015 ISSUED by HUNTERST

Product Name **DYNAMIC 2000**

Classified as hazardous

ADDENDUMS

1. Identification

GHS Product Identifier DYNAMIC 2000

Company Name Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)

Address 60 Gleadow Street INVERMAY
TAS 7248 Australia

Telephone/Fax Number Tel: 03 6331 4755
Fax: 03 6334 1065

Emergency phone number 0407 610 542

Recommended use of the chemical and restrictions on use As a multi-purpose cleaner. Dilute and use as directed on the product label.

2. Hazard Identification

GHS classification of the substance/mixture ED2A Eye Damage/Irritation: Category 2A
SC-2 Skin Corrosion/Irritation: Category 2
SS-1 Sensitization - Skin: Category 1

Signal Word (s) Warning

Hazard Statement (s) H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statement – General Pictogram (s) P102 Keep out of reach of children.
P104 Read Safety Data Sheet before use.
Exclamation mark



Precautionary statement – Prevention P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/eye protection.
P261 Avoid breathing fume/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary statement – Response P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P404 Store in a closed container.

Precautionary statement – Storage

Precautionary statement – Disposal P501 Dispose of contents/container in accordance with local regulations

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Non hazardous surfactants	Mixture	1-10 %
	Alkaline Salts		1-10 %
	Sodium hydroxide	1310-73-2	0-2 %
	Limonene	138-86-3	1-2 %
	Ingredients determined not to be hazardous, including water.		to 100%

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4. First-aid measures

Inhalation	Remove from exposure. If aspirated into the lungs, obtain immediate medical attention.
Ingestion	Do NOT induce vomiting. Give a glass of water.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly.
Eye contact	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
First Aid Facilities	Eye wash station and normal washroom facilities.
Advice to Doctor	Product is an alkaline solution containing mixed surfactants. Irritating to skin and eyes. Contains a very low proportion of d-limonene which may cause sensitisation by skin contact. Vomiting has not been induced because of risk of aspiration into the lungs. Contact Poisons Information Centre. Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Use extinguishing media appropriate to surrounding fire.
Hazards from Combustion Products	Water vapour, carbon dioxide, oxides of nitrogen and phosphorous. Incomplete combustion may generate carbon monoxide.
Specific Methods	In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.
Specific hazards arising from the chemical	Not a fire hazard. Not an explosion hazard.

6. Accidental release measures

Emergency Procedures	Contain.
Spills & Disposal	For large spills: Contain spillages with sand or earth. Transfer both liquid and solids to suitable container(s). Treat residues as for small spills. For small spills: If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise, absorb on inert absorbent and transfer to suitable container. Wash site of spillage thoroughly with water.

7. Handling and storage

Conditions for safe storage, including any incompatibilities	Store in cool place in original container. Store away from oxidising agents, acids and foodstuffs. Keep containers closed when not in use. Store out of reach of children. Large quantities should be stored in a bunded area. Do not mix with other chemicals. Clean up all spills and splashes promptly; avoid secondary accidents.
Unsuitable Materials	Incompatibles: Acids, oxidising agents.

8. Exposure controls/personal protection

Occupational exposure limit values	<u>Name</u>	STEL		TWA		<u>Footnote</u>
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
	Sodium hydroxide			2		Peak limitation
Appropriate engineering controls	Avoid using active metals (such as aluminium, tin, zinc or galvanised iron), or wood products, as materials of construction. Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities, or if vapour risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible and at least below the TLV.					
Personal Protective Equipment	Avoid contact with skin and eyes. Avoid breathing aerosols. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Normal Use:					

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Eye/face protection
Gloves, rubber or plastic.
Industrial Quantities:
Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.
Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

9. Physical and chemical properties

Form Liquid
Appearance Clear, yellow, mobile, frothing liquid.
Odour Smell of citrus.
Boiling Point approx. 100C
Solubility in Water Miscible with water in all proportions.
Specific Gravity 1.0
pH > 11.5
Flash Point None
Flammability Not flammable.
Other Information Alkaline mixture. May react vigorously with acids. May react with strong oxidising agents. Contact with active metals (such as aluminium, tin, zinc) may generate hydrogen, a flammable gas. May attack wood and wood products. Very slippery when spilled.

10. Stability and reactivity

Chemical Stability Stable under normal use conditons.
Conditions to Avoid Incompatible materials.
Incompatible Materials Acids, oxidising agents, active metals.
Hazardous Decomposition Products Oxides of phosphorus, oxides of nitrogen.
Possibility of hazardous reactions May react vigorously with acids.

11. Toxicological Information

Acute Toxicity - Oral LD50 Mixed surfactants: 2,800 - 4,190 mg/kg oral, rat.
d-Limonene: 4400mg/kg oral, rat
Ingestion Irritating to mouth, throat and stomach. Likely to cause gastric upset, nausea, vomiting and diarrhoea. An aspiration risk.
Inhalation An unlikely route at normal temperatures. Aspiration of froth into the lungs during swallowing or vomiting may lead to serious chemical pneumonitis (irritation and inflammation of lung tissues) and pulmonary oedema (fluid build-up in the lungs), with potential to become a medical emergency. Onset of symptoms may be delayed.
Skin Will have a strong degreasing effect on the skin. May cause strong irritation. May cause sensitization.
Eye Irritating to eyes. May cause redness and pain. Prolonged contact may cause tissue damage.
Chronic Effects Repeated skin contact may lead to irritation and possible skin burns. d-Limonene is reported as a sensitiser by skin contact, and in sensitised individuals further contact may result in allergic reactions.

12. Ecological information

Ecotoxicity May be harmful to aquatic organisms.

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Persistence and degradability One of the surfactants used in this product is not considered to be readily biodegradable.
Mobility Readily transported by water.
Other Adverse Effects Contains phosphates. May contribute to the development of algal blooms in natural waters. Contains surfactants. May be harmful to aquatic organisms, including fish.
Environmental Protection Avoid contaminating waterways, drains, sewers, or ground.

13. Disposal considerations

Waste Disposal Land fill, incineration, sewer (small quantities). Refer to Land Waste Management Authority in your State.
Product Disposal Avoid disposal to natural waters or the environment.
Container Disposal Avoid using containers of aluminium, tin, zinc or galvanised iron.
Special precautions for landfill or incineration Unsuitable for incineration. May be unsuitable for some landfill sites.

14. Transport information

Transport Information Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Poisons Schedule S5
Hazard Category Irritant
AICS (Australia) All components listed.

16. Other Information

Signature of Preparer/Data Service Technical Manager 0407 610 542
Technical Contact Numbers Emergency Advice All Hours:
Technical Manager: 0407 610 542 Mon-Fri 8am - 6pm
Poisons Information Centre: 13 11 26 - 24hrs
Transport/Fire Emergency: 000 (Emergency services)
Other Information This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.
...End Of MSDS...

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