SAFETY DATA SHEET

DRIVE PROFESSIONAL LAUNDRY POWDER

Section 1. Identification

Product name	:	DRIVE PROFESSIONAL LAUNDRY POWDER
Product code	:	810000002553
CUC Code	:	810000002531
DU Code	:	Not available.
Product description	:	Fabric washing powder

Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Industrial uses Consumer uses Professional uses

Supplier's details	:	Unilever Asia Private Limited 20 Pasir Panjang Road #06-22 Mapletree Business City Singapore 117439 Emergency contact number: (+65) 6643 3000
Emergency telephone number (with hours of operation)	:	POISONS INFORMATION CENTRE [24 hours]: 0 800 764 766
Distributor's details:	:	Mayo Hardware NZ Ltd 71 Apollo Dr Rosedale 0632 Auckland, New Zealand mayohardware.com.au 09 415 6240
Emergency contact number POISONS INFORMATION CENTRE [24 hours]:	:	0 800 764 766

Section 2. Hazards identification

HSNO Classification : 6.1 - ACUTE TOXICITY (dermal) - Category E
6.1 - ACUTE TOXICITY (inhalation) - Category C
6.3 - SKIN IRRITATION - Category B
8.3 - CORROSIVE TO OCULAR TISSUE - Category A
9.1 - AQUATIC ECOTOXICITY - Category B

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 0 %
Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 0 %

This material is classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and has been classified according to the Hazardous Substances (Classifications) Regulations 2001.
This material is not classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.

GHS label elements

Signal word : Danger

Hazard statements :
H331 Toxic if inhaled.
H313 May be harmful in contact with skin.
H316 Causes mild skin irritation.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention :
P103 Read label before use.
P280 Wear eye or face protection.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P102 Keep out of reach of children.
P261 Avoid breathing dust.
P101 If medical advice is needed: Have product container or label at hand.

Response :
P391 Collect spillage.
P310 Immediately call a POISON CENTER or doctor/physician.
P332 + P313 If skin irritation occurs, get medical advice/attention.
P305 IF IN EYES:
P351 Rinse cautiously with water for several minutes.
P338 Remove contact lenses, if present and easy to do.
P338 Continue rinsing.
P304 IF INHALED:
Remove to fresh air and keep at rest in a position comfortable for breathing.

Storage : P405 Store locked up.
P403 + P233 Store container tightly closed in well-ventilated place.

Disposal : P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.

Symbol :

Other hazards which do not result in classification : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	% (w/w)	CAS number
Sodium carbonate	>=10 - <30	497-19-8
Sodium Dodecylbenzenesulfonate	>=10 - <30	68411-30-3
Sodium Silicate	>=5 - <10	1344-09-8
Zeolite	>=3 - <5	1318-02-1
Citric acid	>=1 - <3	5949-29-1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Inhalation : Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion : Get medical attention immediately. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small

		quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	:	Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Eye contact	:	Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Inhalation	:	Toxic if inhaled.
Ingestion	:	No known significant effects or critical hazards.
Skin contact	:	May be harmful in contact with skin. Causes mild skin irritation.
Eye contact	:	Causes serious eye damage.

Over-exposure signs/symptoms

Inhalation	:	No specific data.
Ingestion	:	Adverse symptoms may include the following: stomach pains
Skin	:	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Eyes	:	Adverse symptoms may include the following: pain watering redness

Indication of immediate medical attention and special treatment needed, if necessary

Specific treatments	:	Not available.
Notes to physician	:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing

apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable	:	Use an extinguishing agent suitable for the surrounding fire.
Not suitable	:	None known.
Specific hazards arising from the chemical	:	Fine dust clouds may form explosive mixtures with air.
Hazardous thermal decomposition products	:	No specific data.
Hazchem code	:	Not available.
Special precautions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Remark	:	Not available.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and materials for containment and cleaning up

Small spill	:	Move containers from spill area. Dispose of via a licensed waste disposal contractor. Vacuum or sweep up material and place in a designated, labeled waste container.
Large spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling : Put on appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin and clothing. Avoid breathing dust. Do not ingest. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges, especially during transfer of material between containers. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Separate from oxidizing materials.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

User-defined 1

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated

		exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Eye protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Skin protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 9. Physical and chemical properties

Appearance

Physical state	:	solid [powder]
Color	:	white
Odor	:	Characteristic.
Odor threshold	:	Not available.
pH	:	11 [Conc. (% w/w): 10 g/l]
Melting point	:	Under normal conditions, melting point/freezing point will not be observed
Boiling point	:	Not available.
Flash point	:	Non-flammable.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive (flammable) limits	:	**Lower:** Not available. **Upper:** Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Partition coefficient: n-octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	**Dynamic:** Not available. **Kinematic:** Not available.

Aerosol product

Type of aerosol	:	Not available.

Heat of combustion	:	Not available.
Ignition distance	:	Not available.
Enclosed space ignition - Time equivalent	:	Not available.
Enclosed space ignition - Deflagration density	:	Not available.
Flame height	:	Not available.
Flame duration	:	Not available.

Section 10. Stability and reactivity

Chemical stability	:	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
Incompatible materials	:	Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on the likely routes of exposure

Inhalation	:	Toxic if inhaled.
Ingestion	:	No known significant effects or critical hazards.
Skin contact	:	May be harmful in contact with skin. Causes mild skin irritation.
Eye contact	:	Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	:	No specific data.
Ingestion	:	Adverse symptoms may include the following: stomach pains
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Eye contact	:	Adverse symptoms may include the following: pain watering redness

Delayed and immediate effects and also chronic effects from short and long term exposure

Acute toxicity

Conclusion/Summary

Skin : Not sensitizing

Respiratory : Not sensitizing

Potential chronic health effects

Conclusion/Summary : Based on available data, the classification criteria are not met.

Carcinogenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Mutagenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Teratogenicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Reproductive toxicity

Conclusion/Summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity

Not available.

Aspiration hazard

Not available.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	>5,000 mg/kg

Other information : Not available.

Section 12. Ecological information

Ecotoxicity : This material is toxic to aquatic life with long lasting effects.

Aquatic and terrestrial toxicity

Conclusion/Summary : Toxic to aquatic life with long lasting effects.

Persistence/degradability

Conclusion/Summary : The surfactants used in this mixture are readily biodegradable.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
sodium benzenesulfonate C10-13 alkyl derivs.	3.32	-	low

Mobility in soil

Soil/water partition coefficient (KOC) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
New Zealand Class					
Additional information: New Zealand Class					
ADG Class	Not available.	Not regulated.	-	-	
Additional information: ADG Class					
Not regulated. **Hazchem code:** Not applicable					
Additional information: UN Class					

ADR/RID Class	Not available.	Not regulated.	-	-	
Additional information: ADR/RID					
Not regulated.					
IATA Class	None	Not regulated.	-	None	
Additional information: IATA Class					
Not regulated.					
IMDG Class	None	Not regulated.	-	None	
Additional information : IMDG Class					
Not regulated.					

PG* : Packing group

Section 15. Regulatory information

HSNO Approval Number : HSR002530
HSNO Group Standard : Cleaning Products
HSNO Classification : 6.1 - ACUTE TOXICITY (dermal) - Category E
6.1 - ACUTE TOXICITY (inhalation) - Category C
6.3 - SKIN IRRITATION - Category B
8.3 - CORROSIVE TO OCULAR TISSUE - Category A
9.1 - AQUATIC ECOTOXICITY - Category B

Australia inventory (AICS) : Not determined.
Safety, health and environmental regulations specific for the product : No known specific national and/or regional regulations applicable to this product (including its ingredients).

International regulations

Montreal Protocol
None of the components are listed.

Stockholm Convention on Persistent Organic Pollutants

Annex A - Elimination - Production
None of the components are listed.

Annex A - Elimination - Use
None of the components are listed.

Annex B - Restriction - Production
None of the components are listed.

Annex B - Restriction - Use
None of the components are listed.

Annex C - Unintentional - Production

None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Section 16. Other information

History

Date of printing	:	07.07.2021
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Date of previous issue	:	00.00.0000
Version	:	1.0
Prepared by	:	Not available.
Key to abbreviations	:	ADG = Australian Dangerous Goods ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail UN = United Nations
References	:	Evaluation method used for mixture classification: Calculation method.

Notice to reader

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