SECTION 1. IDENTIFICATION

Product Name	**TOTAL WASH**
Material number	3191202

Recommended use of the chemical and restrictions on use

Recommended use	Vehicle Detergent
Product dilution information	0.6% - 3.3%
Australian Distributor	Velocity Vehicle Care Pty Ltd 10 Holmwood Rd, Tottenham, VIC, 3012 Ph: 1300 990 074 Fax: 03 8669 4179 Email: orders@velocityvehiclecare.com
Emergency Number	**Australia: 1800 127 406**
NZ Distributor	Velocity Vehicle Care NZ Ltd Level 4 3 London St, Hamilton, 3204 Phone: 0800 483 562 (0800 4 VELOC) Fax: 07 974 9540 Email: orders@velocityvehiclecare.com
Emergency Number	**New Zealand: 0800 243 622**
Overseas Supplier	Zep Inc

SECTION 2. HAZARDS IDENTIFICATION

Dangerous Goods Classification

Classified as Non- Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code 7th ed.) for transport by Road and Rail.
Classified as Non- Dangerous Goods under NZS 5433:2012 Transport of Dangerous Goods on Land.

GHS Classification

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) 7th ed.

Eye Irritation	Category 2
Skin Irritation	Category 2
Product AT USE DILUTION	Not a hazardous substance or mixture

GHS label elements

Hazard pictograms

Signal Word **WARNING**

Hazard statements	
	H319 Causes serious eye irritation.
	H315 Causes skin irritation.
Precautionary statements	**Prevention**
	P264 Wash skin thoroughly after handling.
	P280 Wear protective gloves, eye protection and face protection.
	Response
	P302 + P352 IF ON SKIN: wash with plenty of water.
	P332 + P313 If skin irritation occurs: Get medical advice.
	P362 + P362 Take of contaminated clothing and wash it before re-use.
	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.
	Disposal
	P501 Dispose of contents & container in accordance with local, regional & national regulations.
Product AT USE DILUTION Precautionary Statements	Wash hands thoroughly after handling.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Hazardous components

Chemical name	CAS-No.	Concentration [%]
Sodium dodecylbenzenesulfonate	25155-30-0	1 - 5
Dodecylbenzenesulfonic acid, triethanolamine salt	27323-41-7	1 - 5
Sodium xylene sulphonate	1300-72-7	1 - 5
Triethanolamine	102-71-6	1 - 5

The exact percentages of disclosed substances are withheld as trade secrets.

Product AT USE DILUTION	No hazardous ingredients

SECTION 4. FIRST AID MEASURES

General advice	Move non-essential personnel away from treatment area, spill, or dangerous area. Have this safety data sheet available for emergency/medical responders.
If inhaled	Get medical attention if symptoms occur.
In case of skin contact	Rinse with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.
If swallowed	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop. Contact the Poison's Information Centre (Australia 131 126; New Zealand 0800 764 766).
Protection of first aiders	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	Treat symptomatically.
Most important symptoms and effects, both acute and delayed	Effects are dependent on exposure (dose, concentration, contact time). Eye contact symptoms may include irritation, redness, pain, stinging and watering. Skin contact symptoms may include itchiness, rash, dry skin.
Product AT USE DILUTION	
In case of eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do.
In case of skin contact	Rinse with plenty of water.
If swallowed	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
If inhaled	Get medical attention if symptoms occur.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	None known.
Specific hazards during firefighting	Not flammable or combustible.
Hazardous combustion products	Decomposition products may include the following materials: Carbon oxides (carbon monoxide, carbon dioxide) Sulfur oxides Oxides of phosphorus
Special protective equipment for firefighters	Use personal protective equipment.
Specific extinguishing methods	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	Do not allow contact with soil. Prevent runoff to waterways, drains, stormwater or sewer.
Methods and materials for containment and cleaning up	Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material e.g., sand, earth, diatomaceous earth, vermiculite, and place in container for disposal according to local / national regulations (see Section 13). Flush away traces with water.
Product AT USE DILUTION	
Personal precautions, protective equipment and emergency procedures	Refer to protective measures listed in sections 7 and 8.
Environmental precautions	Prevent runoff to waterways, drains, stormwater.
Methods and materials for containment and cleaning up	Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	Avoid contact with skin and eyes. Wash hands thoroughly after handling.
Conditions for safe storage	Keep out of reach of children. Store in suitable labelled containers.
Storage temperature	0 °C to 45 °C
Product AT USE DILUTION	
Advice on safe handling	Wash hands after handling. For personal protection see section 8.
Conditions for safe storage	Keep out of reach of children. Store in suitable labelled containers

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
triethanolamine	102-71-6	TWA	5 mg/m^3	SWA / NZ WES

Biological occupational exposure limits						
Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
None allocated						

Engineering measures	Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.
Personal protective equipment	
Respiratory protection	Avoid breathing mists or sprays. Respiratory protection required where ventilation cannot limit exposure to recommended exposure standards.
Hand protection	Wear protective gloves if prolonged or frequent contact with skin is expected.
Eye protection	Safety glasses with side shields.
Skin protection	Choose body protection suitable for the operational processes at the workplace.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable wash facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
Product AT USE DILUTION	

Engineering measures	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Personal protective equipment	
Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	No special protective equipment required however gloves are recommended for prolonged or frequent skin contact.
Eye protection	No special protective equipment required however safety glasses are recommended in accordance with good chemical safety practices.
Skin protection	No special protective equipment required.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable wash facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product	**Product at use dilution**
Appearance	liquid	liquid
Colour	clear, light blue	clear, light blue
Odour	odourless	odourless
Odour threshold	No data available	No data available
pH	8.0 - 9.0, 100 %	7.0 - 7.5
Melting point/freezing point	No data	No data
Boiling point	> 100 °C	> 100 °C
Flash point	Not applicable., Does not sustain combustion.	Not applicable., Does not sustain combustion.
Evaporation rate	No data	No data
Upper explosion limit	No data	No data
Lower explosion limit	No data	No data
Vapour pressure	No data	No data
Relative vapour density	No data	No data
Density	1.02 - 1.06 g/cm^3	No data
Water solubility	Soluble	Soluble
Solubility in other solvents	No data	No data
Partition coefficient: n-octanol/water	No data	No data
Auto-ignition temperature	No data	No data
Thermal decomposition	No data	No data
Viscosity, kinematic	No data	No data

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Extremes of temperature.
Incompatible materials	None known
Hazardous decomposition products	Decomposition products may include the following materials: carbon oxides sulfur oxides oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Information on possible routes of exposure	Possible workplace exposure routes are: Inhalation Eye contact Skin contact
Acute symptoms related to exposure	
Eye	Symptoms may include redness, stinging, tearing, blurred vision, irritation.
Skin	Irritant. Product may cause itching, scaling, dry skin.
Inhalation	Health injuries are not known or expected under normal use.
Ingestion	Health injuries are not known or expected under normal use.
Acute oral toxicity	Acute toxicity estimate : >2000 mg/kg Method: Calculation method
Acute inhalation toxicity	no data available
Acute dermal toxicity	Acute toxicity estimate : > 2,000 mg/kg
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Irritating to eye
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT - single exposure	No data available
STOT - repeated exposure	No data available
Aspiration toxicity	No data available
Components (Ingredients)	
Acute oral toxicity	Triethanolamine (rat) LD50: 8000 mg/kg
Acute inhalation toxicity	No data available

Acute dermal toxicity	Triethanolamine (rat) LD50: >16000 mg/kg
Skin corrosion/irritation	Triethanolamine no adverse effect observed (not irritating)
Serious eye damage/eye irritation	Triethanolamine no adverse effect observed (not irritating)
Respiratory or skin sensitisation	Triethanolamine (TEA) Although allergic reactions to TEA have been reported, the substance is judged to have a very low sensitisation potential.
Germ cell mutagenicity	No data available
Carcinogenicity	Triethanolamine Based on the available data, TEA is not considered carcinogenic for humans.
Reproductive toxicity	Triethanolamine No reproductive effects observed
STOT - repeated exposure	Triethanolamine inhalation: In a sub-acute inhalation toxicity study with rats, a NOAEC for systemic effects of 0.5 mg/L was established, the highest dose tested.
Product AT USE DILUTION	
Eyes	Health injuries are not known or expected under normal use.
Skin	Health injuries are not known or expected under normal use.
Ingestion	Health injuries are not known or expected under normal use.
Inhalation	Health injuries are not known or expected under normal use.
Chronic Exposure	Health injuries are not known or expected under normal use.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	
Toxicity to fish	The product has not been tested
Persistence and degradability	Product not tested.
Bioaccumulative potential	No data available
Partition coefficient: n-octanol/water	No data available
Mobility in soil	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available

Components (Ingredients)	
Toxicity to fish	sodium dodecylbenzene sulfonate 96 h LC50: 3.2 mg/l dodecylbenzenesulfonic acid, triethanolamine salt 96 h LC50: 2.5 mg/l triethanolamine 96 h LC50: 11,800 mg/l
Toxicity to daphnia and other aquatic invertebrates	triethanolamine 48 h EC50: 609.88 mg/l
Toxicity to algae	Sodium xylenesulfonate 96 h EC50: 230 mg/l triethanolamine 72 h EC50: > 100 mg/l
Persistence and degradability	Listed components are biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues and product.	The product should not be allowed to enter drains, water courses or the soil.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Product AT USE DILUTION	
Waste from residues and product.	The product should not be allowed to enter drains, water courses or the soil.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as non-**Dangerous Goods** by the criteria of the Australian Dangerous Goods Code (ADG Code 7th ed.) for Transport by Road and Rail; Classified as non- **Dangerous Goods** according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Marine Transport

Classified as non-**Dangerous Goods** by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport
Classified as non-**Dangerous Goods** by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15. REGULATORY INFORMATION

AICS	All substances listed
Poisons Schedule	Not scheduled
NZ Approval Code	Cleaning Products (Subsidiary Hazard) Group Standard 2020 The HSNO Approval Number for this Group Standard is HSR002530.
United States TSCA Inventory	Not determined
Canadian Domestic Substances List (DSL)	Not determined

SECTION 16. OTHER INFORMATION

AICS	**Australian Inventory of Chemical Substances**
SWA	**Safe Work Australia**
NZ	**New Zealand**
IARC	**International Agency for Research on Cancer**
WES	**Workplace Exposure Standards**
GHS	**Globally Harmonised System of Classification and Labelling of Chemicals**
HSNO	**Hazardous Substances and New Organisms**
EMS	**Emergency Spill Procedures**
STOT	**Specific Target Organ Toxicity**
TWA	**Time Weighted Average**
STEL	**Short-Term Exposure Limit**
CAS	**Chemical Abstracts Service**
DNEL	**Derived No Effect Level**
TSCA	**Toxic Substances Control Act**
DSL	**Domestic Substances List**
NDSL	**Non-Domestic Substances List**
AU OEL	**Australian Occupational Exposure Limit**

Version:	2.0
Revision Date:	25 Aug 2021
Print Date:	31 August 2021

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organisation supporting this manufacturer, supplier or distributor.