

SECTION 1. IDENTIFICATION

Product Name **Smart Boost 800**

Recommended use of the chemical and restrictions on use

Recommended use Additive
Restrictions on use Industrial and commercial use only

Australian Distributor Velocity Vehicle Care Pty Ltd
5 Horsburgh Drive, Altona North, Vic, 3025
Ph: 1300 990 074
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)
Email: orders@velocityvehiclecare.com

Emergency Number **New Zealand: 0800 243 622**

SECTION 2. HAZARDS IDENTIFICATION**Dangerous Goods Classification**

Classified as Dangerous goods for transport by road or rail per Australian Dangerous Goods Code 7th ed. and NZS 5433:2020 Transport of Dangerous Goods on Land. See Section 14 for further details.

GHS Classification

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

Skin corrosion/irritation	Category 1C
Serious eye damage	Category 1
Specific target organ toxicity (repeated exposure via inhalation)	Category 1
Acute Toxicity (oral)	Category 4
Acute Toxicity (dermal)	Category 4

GHS label elements**Hazard pictograms****Signal Word****DANGER**

Hazard statements

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.

H312 Harmful in contact with skin

H372 Causes damage to organs through prolonged or repeated exposure via inhalation

Precautionary statements

Prevention

P260 Do not breathe mists

P264 Wash hands thoroughly after handling.

P270

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

P280 Wear protective gloves, eye, and face protection.

Response

P301 + P330 + P331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P310

Immediately call a doctor or medical centre.

P304 + P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363

Wash contaminated clothing before reuse.

P314

Get medical advice if you feel unwell.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents & container in accordance with local, regional and national Regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

Mixture

Hazardous components

Chemical name	CAS-No.	Concentration [%]
Alcohols, C9-11, ethoxylated	103818-93-5	>50
dodecylbenzenesulfonic acid	27176-87-0	5 - 20
2-butoxyethanol	111-76-2	5 - 20

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

SECTION 4. FIRST AID MEASURES

General advice

Move non-essential personnel away from treatment area, spill, or dangerous area.
Do not leave victim unattended.
Have this safety data sheet available for emergency/medical responders.

If inhaled

Move victim to fresh air. If unconscious place in recovery position and seek medical advice. Call a doctor after significant exposure or if symptoms persist.

In case of skin contact

Protect victim from further harm. Wash off immediately with plenty of water **for at least 20 minutes**. If large areas of skin are affected, place the victim in the shower. Continue washing even after the chemical seems to have been removed. This will help to reduce tissue damage. Remove contaminated clothing and shoes. If skin is burned, cover burn with a loose sterile gauze dressing. Take victim to hospital or a medical centre as soon as possible. Always wash contaminated clothing before re-use.

In case of eye contact

Small amounts splashed into eyes can cause irreversible tissue damage and blindness. Rinse immediately with plenty of room temperature water, also under the eyelids, for at least 15 minutes. Continue rinsing eyes during transport to hospital. Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed

Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Protection of first aiders

If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician

Treat symptomatically. Symptoms may be delayed.

Most important symptoms and effects, both acute and delayed

Effects are immediate and delayed.
Symptoms may include blistering, burns, redness, and pain. Symptoms may vary depending on systems and organs affected. Symptoms of overexposure may include disorientation, dizziness and confusion. May progress to convulsions, paralysis, unconsciousness.
Effects are dependent on exposure (dose, concentration, contact time).
Causes severe skin burns and eye damage. May cause damage to organs through repeated or prolonged exposure if inhaled.
Review section 2 of SDS to see all potential hazards.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards during firefighting	May produce toxic fumes, for example, carbon monoxide if burning. This material is very toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	carbon dioxide carbon monoxide sulfur oxides
Special protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Specific extinguishing methods	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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Immediately contact emergency personnel. Stop leak if without risk. Eliminate all ignition sources. Use suitable protective equipment. Keep unnecessary personnel away. Do not touch or walk through spilt material.
Environmental precautions	May be harmful to the environment if released in large quantities. Do not allow to enter drains or watercourses. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up	For small spills (<5L), Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Dispose of via a licensed waste disposal contractor. For large spills (>5L), Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling

Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist.
Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Use only with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage

Keep out of reach of children. Keep container tightly closed and sealed until ready for use. Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame). Store in a segregated and approved area.
Do not store above 45°C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-butoxyethanol	111-76-2	TWA	20 ppm / 96.9 mg/m ³ (skin)	SWA
		TWA	25 ppm / 121 mg/m ³ (skin)	NZ WES
		STEL	50 ppm / 242 mg/m ³ (skin)	SWA

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

Engineering measures

This product contains an ingredient with an exposure limit, therefore workplace atmosphere monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Use only with adequate ventilation. If user processes generate dust, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended limits.
Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Personal protective equipment

Respiratory protection

Use a respirator that will protect against organic vapour and mist if ventilation is inadequate or exposure assessment demonstrates that exposure is within permissible concentrations.

Hand protection

Wear rubber gloves or other chemical resistant gloves e.g. nitrile, neoprene, natural rubber or PVC

Eye protection

Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

Skin protection

Use synthetic apron, other protective equipment as necessary to prevent skin contact.

Hygiene measures

Wash hands and face thoroughly after handling chemical products, before eating, smoking and using the toilet and at the end of the working period. Wash contaminated clothing before reusing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product
Appearance	liquid
Colour	Straw [Light]
Odour	Alcohol-like
Odour threshold	no data
pH	1 to3 (100%)
Melting point/freezing point	no data
Boiling point	>100°C
Flash point	90 °C (Closed cup) Product does not support combustion.
Evaporation rate	No data
Upper explosion limit	no data
Lower explosion limit	no data
Vapour pressure	no data
Relative vapour density	no data
Relative density	1 to 1.03
Water solubility	Soluble in hot & cold water
Solubility in other solvents	no data
Partition coefficient: n- octanol/water	no data
Auto-ignition temperature	no data
Thermal decomposition	no data
Viscosity, kinematic	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	Temperatures greater than 45C
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials. Slightly reactive or incompatible with the following materials: metals and alkalis.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Information on likely routes of exposure

Possible workplace exposure routes are:

Inhalation
Eye contact
Skin contact

Early onset symptoms related to exposure (acute symptoms)

Eye

Risk of serious eye damage. Symptoms may include burning, redness, swelling, stinging, tearing and pain. Permanent tissue damage may occur if first aid is not obtained immediately.

Skin

Causes skin burns. Symptoms may include burning, redness, blistering, pain, swelling. Permanent skin damage can occur if first aid is not obtained immediately.

Inhalation

Inhalation of vapours or mists may produce respiratory irritation. Symptoms may include coughing/sneezing, itchy or sore throat, runny nose, shortness of breath.

Ingestion

Can burn mouth, throat, and stomach.

Toxicological Information

Acute oral toxicity

Estimate : 300 - 2000 mg/kg
Method: Calculation method

Acute inhalation toxicity

No data

Acute dermal toxicity

Estimate 1000 - 2000 mg/kg
Method: Calculation method

Skin corrosion/irritation

Causes severe skin burns

Serious eye damage/eye irritation

Causes serious eye damage

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

May cause damage to organs through repeated or prolonged exposure by inhalation.

Aspiration toxicity

no data available

**Components
(Ingredients)**

Acute oral toxicity	Alcohols, C9-C11, ethoxylated: LD50 Rat 1400 mg/kg 2-butoxyethanol LD50 Rat 880 mg/kg dodecylbenzenesulfonic acid: LD50 Rat 890 mg/kg
Acute inhalation toxicity	dodecylbenzenesulfonic acid: LC50 Rat 4.53mg/l 4 hrs 2-butoxyethanol: LC50 Rat 3.8 mg/l 4hrs
Acute dermal toxicity	2-butoxyethanol: Rabbit LD50 2000 mg/kg dodecylbenzenesulfonic acid: LD50 Rabbit 800 mg/kg
Skin corrosion/irritation	dodecylbenzenesulfonic: Causes severe skin burns
Serious eye damage/eye irritation	alcohols, c9-11, ethoxylated: Causes serious eye damage 2-butoxyethanol: Causes serious eye irritation dodecylbenzenesulfonic acid: Causes serious eye damage
Respiratory or skin sensitisation	No data to indicate any component is a skin or respiratory sensitiser
Germ cell mutagenicity	No data to indicate any component is a germ cell mutagen
Carcinogenicity	No data to indicate any component is a carcinogen
Reproductive toxicity	No data to indicate any component is a reproductive toxicant
STOT - repeated exposure	alcohols, c9-11, ethoxylated: may cause damage to organs through repeated or prolonged exposure via inhalation.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	This product has not been tested however likely to be harmful to the environment if released in large quantities due to low pH. This material is very toxic to aquatic life.
Toxicity to fish	no data available
Toxicity to daphnia and other aquatic invertebrates	no data available
Toxicity to algae	no data available
Components (Ingredients)	
Toxicity to fish	2-butoxyethanol LC50 1250 mg/l 96 hours dodecylbenzenesulfonic acid LC50 4.3 mg/l 96 hours
Toxicity to daphnia	
Toxicity to algae	No data available
Persistence and degradability	No data available
Bioaccumulative potential	2-butoxyethanol LogPow 0.83 Low potential
Partition coefficient: n-octanol/water	No data available
Mobility in soil	No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste product and residues	Empty containers or liners may retain some product residues. This material must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Contaminated packaging	Dispose of as unused product. Containers must remain labelled until all residues and traces of product have been eliminated.

SECTION 14. TRANSPORT INFORMATION**Road and Rail Transport**

Classified as **Dangerous Goods** by the criteria of the Australian Dangerous Goods Code (ADG Code 7th ed.) for Transport by Road and Rail. Classified as **Dangerous** according to NZS 5433:2020 Transport of Dangerous Goods on Land.

**Land transport
(ADG)**

UN number	2586
Proper Shipping Name	ALKYLSULFONIC ACIDS, LIQUID
Class	8
Packing group	III
Hazchem Code	2X

Marine Transport

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

**Marine transport
(IMDG/IMO)**

UN number	2586
Proper Shipping name	ALKYLSULFONIC ACIDS, LIQUID
Class	8
Packing group	III
Marine pollutant	no
IMDG EMS	F-A, S-B
Fire/Spill HIN	88

Air Transport

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

**Air transport
(IATA)**

UN number	2586
Proper Shipping name	ALKYLSULFONIC ACIDS, LIQUID
Class	8
Packing group	III

SECTION 15. REGULATORY INFORMATION

AICS	All substances listed
Poisons Schedule	Not scheduled
NZ Approval Code	Cleaning Products (Corrosive) Group Standard 2020. HSNO Approval Number is HSR002526

SECTION 16. OTHER INFORMATION

AICS	Australian Inventory of Chemical Substances
APVMA	Australian Pesticides and Veterinary Medicines Authority
AU OEL	Australian Occupational Exposure Limit
ADG	Australian Dangerous Goods
NICNAS	National Industrial Chemicals Notification and Assessment Scheme (Australia)
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

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