SECTION 1. IDENTIFICATION

Product Name	**BLUE CORAL HEAVY DUTY ALKALINE PRESOAK**
Product Number	H41636

Recommended use of the chemical and restrictions on use

Recommended use	Vehicle Care
Restrictions on use	Industrial and commercial use only
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**

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 1B
Serious eye damage	Category 1
Specific target organ toxicity (repeated exposure via inhalation)	Category 2
Acute Toxicity (oral)	Category 4

GHS label elements

Hazard pictograms

Signal Word **DANGER**

Hazard statements

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

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 [%]
Sodium dodecylbenzenesulfonate	25155-30-0	>= 5 - < 10
Sodium xylenesulfonate	1300-72-7	>= 5 - < 10
2-aminoethanol	141-43-5	>= 5 - < 10
Tetrasodium ethylenediaminetetraacetate	64-02-8	>= 5 - < 10
Sodium hydroxide	1310-73-2	>= 5 - < 10
Alcohols, C9-11, ethoxylated	68439-46-3	>= 5 - < 10
2-butoxyethanol	111-76-2	>= 5 - < 10

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	Dry chemical , alcohol-resistant foam, carbon dioxide, water spray.
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. Do not allow run-off from firefighting to enter drains or water courses.
Hazardous combustion products	Carbon dioxide (CO2) Carbon monoxide Smoke Nitrogen oxides (NOx) Sulfur oxides
Special protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Specific extinguishing methods	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Use a water spray to cool fully closed containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Contaminated fire water must not be discharged into drains or water courses.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin and eyes. 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. For large spills (>5L), dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Collect spilled material in suitable labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	Avoid formation of aerosols and mists. Do not breathe mists, vapours or spray. Use with adequate ventilation. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

This material has been formulated for use on hard metal surfaces.
This product contains a reducing agent that may corrode soft metals.
This product should be stored in its original packaging or containers of similar construction. It should not be stored in metal 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
Sodium hydroxide	1310-73-2	Peak limitation	2 mg/m^3	SWA NZ WES
2-aminoethanol	141-43-5	TWA	3 ppm / 7.5 mg/m^3	SWA
		TWA	0.2 ppm / 0.5 mg/m^3	NZ WES*
		STEL	6 ppm / 15 mg/m^3	SWA
		STEL	0.2 ppm / 0.5 mg/m^3	NZ WES*
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

***Note: New Zealand adopted stricter exposure standards for 2-aminoethanol from November 2023**.

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

Engineering measures Effective ventilation in all processing areas.

Personal protective equipment

Respiratory protection Use a respirator with an approved filter 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 Safety glasses with side shields or chemical goggles.

Skin protection Wear protective clothing and footwear.

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
Appearance	liquid
Colour	colourless to amber
Odour	characteristic
Odour threshold	no data
pH	>12.5
Melting point/freezing point	no data
Boiling point	100˚C
Flash point	Does not flash
Evaporation rate	1
Upper explosion limit	no data
Lower explosion limit	no data
Vapour pressure	no data
Relative vapour density	no data
Relative density	1.17 g/cm^3
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	30 mm^2/s at 20˚C

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 and direct sunlight
Incompatible materials	Acids, oxidising agents. This product contains sodium hydroxide that may react with tin, zinc and aluminium forming flammable hydrogen gas.
Hazardous decomposition products	Combustion by-products may include the following materials: carbon oxides, sulfur dioxide, nitrogen oxides

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 : 1951 mg/kg Method: Calculation method
Acute inhalation toxicity	Estimate: 87.97 mg/l (4 hours as vapour) Method: Calculation method
Acute dermal toxicity	Estimate: >5000 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	Sodium dodecylbenzenesulfonate: LD50 Rat 438 mg/kg 2-aminoethanol: LD50 Rat 1515 mg/kg Alcohols, C9-C11, ethoxylated: LD50 Rat 1400 mg/kg 2-butoxyethanol LD50 Rat 880 mg/kg
Acute inhalation toxicity	2-aminoethanl: LC50 Mouse >1.21 mg/l
Acute dermal toxicity	Sodium hydroxide: Rabbit LD50 1350 mg/kg 2-butoxyethanol: Rabbit LD50 1060 mg/kg
Skin corrosion/irritation	Sodium hydroxide: Causes severe skin burns. 2-aminoethanol: Causes severe skin burns
Serious eye damage/eye irritation	Sodium hydroxide: Causes serious eye damage. 2-aminoethanol: 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	Tetrasodium ethylenediaminetetraacetate: May cause damage to organs through repeated or prolonged exposure via inhalation.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	This product has not been tested.
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	Sodium hydroxide: LC50 Mosquito fish 125mg/l 96 hr static test
Toxicity to daphnia	Sodium hydroxide: EC50 Daphnia magna 34-47 mg/l 48 hr
Toxicity to algae	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Partition coefficient: n-octanol/water	No data available
Mobility in soil	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste product and residues	Do not dispose of waste product or residues to sewer. Dispose of in accordance with local regulations.
Contaminated packaging	Dispose of as unused product. Containers must be 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	3266
Proper Shipping Name	Corrosive liquid, Basic, Inorganic, N.O.S. (Contains sodium hydroxide)
Class	8
Packing group	II
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	3266
Proper Shipping name	Corrosive liquid, Basic, Inorganic, N.O.S. (Contains sodium hydroxide)
Class	8
Packing group	II
Marine pollutant	no
IMDG EMS Fire/Spill	F-A, S-B
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	3266
Proper Shipping name	Corrosive liquid, Basic, Inorganic, N.O.S. (Contains sodium hydroxide)
Class	8
Packing group	II

SECTION 15. REGULATORY INFORMATION

AICS	All substances listed
Poisons Schedule	S6
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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