

SAFETY DATA SHEET

PRODUCT NAME: V-STREAM READY-TO-USE COOLANT BL AL -15°C



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : V-STREAM READY-TO-USE COOLANT BL AL -15°C
 Registration number (REACH) : not relevant (mixture)
 Product code(s) : 35742

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

Relevant identified uses : Coolant
 Industrial uses
 Professional uses
 Uses advised against : Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

VROOAM Powersports Lubricants INT. B.V.
 Aventurijn 300
 3316 LB Dordrecht (NL)
 0031 (0) 78 750 1632
 www.vrooam-lubricants.com
 info@vrooam-lubricants.com

- Further information obtainable from: Product Safety Department

1.4. Emergency telephone number: 0031 (0) 78 750 16 32 (9 AM to 5 PM, Monday to Friday)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Acute toxicity: Acute Tox. 4
 Skin corrosion/irritation: Skin Irrit. 2
 Serious eye damage/eye irritation: Eye Irrit. 2
 Specific target organ toxicity - repeated exposure: STOT RE 2

Hazard Statements:

Harmful if swallowed.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word warning

- Pictograms



GHS07,

GHS08

- Hazard statements

H302 Harmful if swallowed.

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H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H373 May cause damage to organs (kidney) through prolonged or repeated exposure (if swallowed).

- Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P302+P352 IF ON SKIN: Wash with plenty of Water..
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321 Specific treatment (see Additional information on this label).
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P501 Dispose of contents/container to Dispose of waste according to applicable legislation.

Hazardous ingredients for labelling

ethanediol, ethylene glycol
 sodium nitrite

2.3 Other hazards

Results of PBT and vPvB assessment

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
107-21-1	ethanediol, ethylene glycol			30 - < 35 %
	203-473-3	603-027-00-1	01-2119456816-28	
	Acute Tox. 4, STOT RE 2; H302 H373			
19766-89-3	Natrium-2-ethylhexanoat			1 - < 5 %
	243-283-8			
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
1310-73-2	Sodium hydroxide; caustic soda			< 1 %
	215-185-5	011-002-00-6	01-2119457892-27	
	Skin Corr. 1A; H314			
7632-00-0	sodium nitrite			< 1 %
	231-555-9	007-010-00-4	01-2119471836-27	

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	Ox. Sol. 3, Acute Tox. 3, Aquatic Acute 1; H272 H301 H400		
1303-96-4	disodium tetraborate decahydrate; borax decahydrate		< 1 %
	215-540-4	005-011-01-1	
	Repr. 1B; H360FD		

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Provide fresh air. Medical treatment necessary

Following skin contact

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

Following eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No information available

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

Non-flammable.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Safe handling: see section 7
 Personal protection equipment: see section 8
 Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed

Hints on joint storage

No special measures are necessary

7.3 Specific end use(s)

The product is intended for professional use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1303-96-4	Disodium tetraborate, decahydrate	-	5		TWA (8 h)	WEL
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL
1310-73-2	Sodium hydroxide	-	2		STEL (15 min)	WEL

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DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
107-21-1	ethanediol, ethylene glycol		
Worker DNEL, long-term	inhalation	local	35 mg/m ³
Worker DNEL, long-term	dermal	systemic	106 mg/kg bw/day
Consumer DNEL, long-term	inhalation	local	7 mg/m ³
Consumer DNEL, long-term	dermal	systemic	53 mg/kg bw/day
1310-73-2	Sodium hydroxide; caustic soda		
Consumer DNEL, long-term	inhalation	local	1 mg/m ³
Worker DNEL, long-term	inhalation	local	1 mg/m ³

PNEC values

CAS No	Substance	
Environmental compartment	Value	
107-21-1	ethanediol, ethylene glycol	
Freshwater	10 mg/l	
Marine water	1 mg/l	

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection. Use safety goggle with side protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Type of material

NBR: acrylonitrile-butadiene rubber

- Material thickness

> 0.35 mm

- Breakthrough times of the glove material

>480 minutes (permeation: level 6)

- Other protection measures

Protective clothing against liquid chemicals. Footwear protecting against chemicals. Preventive skin protection (barrier

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creams/ointments) is recommended. Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Type: ABEK (combined filters against gases and vapours, colour code: Brown/Grey/Yellow/Green).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Colour	Colorless, light yellow

Other safety parameters

pH (value)	7,6
Melting point/freezing point	not determined
Initial boiling point and boiling range	Not determined
Flash point	not determined
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid)

Explosive limits

- Lower explosion limit (LEL)	Not determined
- Upper explosion limit (UEL)	Not determined

Vapour pressure	Not determined
Density	1.048 g/cm ³
Vapour density	this information is not available

Solubility(ies)

- Water solubility	miscible in any proportion
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Partition coefficient

- n-octanol/water (log KOW)	this information is not available
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Auto-ignition temperature	Not determined
Viscosity	not determined
Explosive properties	none
Oxidising properties	none

9.2 Other information

solid content	Not determined
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SECTION 10: Stability and reactivity

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10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

None

10.5 Incompatible materials

No information available

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if swallowed.

- Acute toxicity estimate (ATE)

Oral 1541,8 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
107-21-1	ethanediol, ethylene glycol				
	oral	ATE 500 mg/kg			
	dermal	LD50 >3500 mg/kg	Mouse		
19766-89-3	Natrium-2-ethylhexanoat				
	oral	LD50 > 4000 mg/kg	Rat		
7632-00-0	sodium nitrite				
	oral	LD50 180 mg/kg	Rat	GESTIS	
	inhalation (4 h) aerosol	LC50 5,5 mg/l	Rat		
1303-96-4	disodium tetraborate decahydrate; borax decahydrate				
	oral	LD50 4500 - 5000 mg/kg	Rat		

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	dermal	LD50 > 2000 mg/kg	Rabbit		
	inhalation (4 h) aerosol	LC50 > 2 mg/l	Rat		

Skin corrosion/irritation

Causes skin irritation
Causes serious eye irritation

Sensitising effects

Based on available data, the classification criteria are not met

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure (ethanediol, ethylene glycol)

Aspiration hazard

Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1 Toxicity

The product is not: Ecotoxic

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
107-21-1	ethanediol, ethylene glycol					
	Acute fish toxicity	LC50 mg/l	72860	96 h	Pimephales promelas (fathead minnow)	
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	Daphnia magna (Big water flea)	OECD 202
	Fish toxicity	NOEC mg/l	15380	7 d	Pimephales promelas (fathead minnow)	
	Crustacea toxicity	NOEC mg/l	8590	7 d	Ceriodaphnia spec	

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1310-73-2	Sodium hydroxide; caustic soda					
Acute fish toxicity	LC50 mg/l	45,4	96 h	Onchorhynchus mykiss	IUCLID	
Acute crustacea toxicity	EC50 mg/l	76	48 h	Daphnia magna (Big water flea)	Manufacturer	
7632-00-0	sodium nitrite					
Acute fish toxicity	LC50 mg/l	0,56 - 1,78	96 h	Onchorhynchus mykiss	Manufacturer	
Acute algae toxicity	ErC50 mg/l	> 100	96 h	Scenedesmus subspicatus	Manufacturer	
Acute crustacea toxicity	EC50 mg/l	12,5 - 100	48 h	Daphnia magna	Manufacturer	
1303-96-4	disodium tetraborate decahydrate; borax decahydrate					
Acute fish toxicity	LC50 mg/l	74	96 h	Oncorhynchus mykiss (Rainbow trout)	Manufacturer	
Acute algae toxicity	ErC50 mg/l	158	72 h	Desmodesmus subspicatus	Manufacturer	
Acute crustacea toxicity	EC50 mg/l	1085 - 1400	48 h	Daphnia magna (Big water flea)	Manufacturer	

12.2 Persistence and degradability

The products has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
107-21-1	ethanediol, ethylene glycol			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	83-96%	14	

12.3 Bioaccumulative potential

The product has not been tested

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
107-21-1	ethanediol, ethylene glycol	-1,36
7632-00-0	sodium nitrite	-3,7
1303-96-4	disodium tetraborate decahydrate; borax decahydrate	-1,53

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

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Endocrine disrupting potential

None of the ingredients are listed.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

160509 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 1605 08

List of Wastes Code - used product

160509 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 1605 08

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

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Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.
14.5. Environmental hazards
 ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Authorisations (REACH, annex XIV):
 Substances of very high concern, SVHC (REACH, article 59):
 disodium tetraborate decahydrate; borax decahydrate
 Restrictions on use (REACH, annex XVII):
 Entry 3, Entry 30
 Information according to 2012/18/EU
 (SEVESO III):
 Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
 Employment restrictions:
 Water hazard class (D): 2 - obviously hazardous to water

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 CAS: Chemical Abstracts Service
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%

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EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation
 intérieures)
 IMDG: International Maritime Code for Dangerous Goods
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organization
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 VOC: Volatile Organic Compounds
 SVHC: Substance of Very High Concern
 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT RE 2; H373	Calculation method

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H272	May intensify fire; oxidiser.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H360FD	May damage fertility or the unborn child.
H373	May cause damage to organs (kidney) through prolonged or repeated exposure (if swallowed).
H400	Very toxic to aquatic life.

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.