

RT300G Viper Brite Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / SDS Created 01/01/2022

Product form : Neuror Product name : RT3000 Viper Brite 1.2. Relevant identified uses of the subscence or nixture and uses advised against 3.3. Details of the suppler of the safety data sheet Vigeration Technologias Suppler of the safety data sheet Vigeration Technologias Internet Suppler of the subscence or nixture and uses advised against 1.4. Energency telephone number intergency telephone number : intergency number : intergency telephone number	SECTION 1: Identification of the sub	stance/mixture and of the company/undertaking
hotect name : RT300G Viper Brite 1.2 Relevant identified uses of the substance or mixture and uses advised against 1.3 Details of the supplier of the safety data sheet Relevant identified uses of the substance or mixture and uses advised against 1.3 Details of the supplier of the safety data sheet Reingency ture, or 2000 service 1.1 Amage of the supplier of the safety data sheet Reingency ture, or 2000 service : 1.800-255-3924 ChemTel; International Calls 1-813-248-0555 Consultation of the substance or mixture Statistication of the substance or mixture <t< td=""><td></td><td></td></t<>		
12. Relevant identified uses of the substance or mixture and uses advised against 3.3. Details of the supplier of the safety data sheet Reingreation Technologies Hint A. Amando St. Hint A. Amando St. Hint A. Amando St. Inspent, CA 2306 - USA Hint A. Amando St. T-800-889-1407 International Calls 1-813-248-0585 SECTION 21 Hazards Identification Hint A. Mando St. Statistication of the substance or mixture Hint A. Mando St. SHS-US classification Hint A. Skin Cor. 1A Hint A. 2.1 Label elements Statistication SHS-US labelling Exact pictograms (GHS-US) High A. Statements (GHS-US) : Danger State of pictograms (GHS-US) : Pice 0- Do not breach dustfune gas/mist/vapours/spray Pice autionary statements (GHS-US) : Pice 0- Do not breach dustfune gas/mist/vapours/spray Pice autionary statements (GHS-US) : Pice 0- Do not breach dustfune gas/mist/vapours/spray Pice autionary statements (GHS-US) : Pice 0- Do not breach dustfune gas/mist/vapours/spray Pice autionary statements (GHS-US) : Pice 0- Do not breach dustfune gas/mist/vapours/spray Pice autionary statements (GHS-US) : Pice 0- Do not breach and ling 1: Removel/R	Product form	: Mixture
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inergency number : 1 + 300-255-3324 ChemTel; International Calls 1-813-248-0585 ECTION 2: Hazards identification Classification of the substance or mixture BHS-US classification SHS-US classification SHS-US classification SHS-US labeling Hazard pictograms (GHS-US) : : : : : : : : : : : : : : : : : : :	Refrigeration Technologies 1111 N. Armando St. Anaheim, CA 92806 - USA T 1-800-869-1407 <u>www.refrigtech.com</u>	
Section 2: Hazards identification 24. Classification of the substance or mixture SHS-US classification kin Corr. 1A H314 22. Label elements SHS-US tabelling hazard pictograms (GHS-US) :	1.4. Emergency telephone number	
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 P264 - Wash thoroughly after handling P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P330 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting P303+P31+P333 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - IF INHALED: remove vicim to fresh air and keep at rest in a position comfortable for breathing P305+P31+P333 - IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a POISON CENTER or doctor/physician P321 - Specific treatment (see on this label) P363 - Wash contaminated clothing before reuse P405 - Store locked up P501 - Dispose of contents/container to Cher hazards Vo data available Composition/information on ingredients Substance Substance Vot applicable Full text of H-phrases: see section 16 Mixture 	Hazard statements (GHS-US)	: H314 - Causes severe skin burns and eye damage
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Not applicable Full text of H-phrases: see section 16 8.2. Mixture	SECTION 3: Composition/informatio	n on ingredients
Full text of H-phrases: see section 16 3.2. Mixture	3.1. Substance	
8.2. Mixture	Not applicable	
	Full text of H-phrases: see section 16	
	3.2. Mixture	
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Name	Product identifier	%	GHS-US classification
sodium hydroxide	(CAS No)1310-73-2	5 - 40	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Aquatic Acute 3, H402
SECTION 4: First aid measure	S		
4.1. Description of first aid meas	sures		
First-aid measures general	: Never give anything by mouth to an		10 · · · · · 0 · · 1 · · · · · · 11 · · · ·

r not dia maadibo general	advice (show the label where possible).
First-aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after eye contact	 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
4.2. Most important symptoms and o	effects, both acute and delayed
Symptoms/injuries	: Causes severe skin burns and eye damage.
4.3. Indication of any immediate me	dical attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measure	es
5.1. Extinguishing media	

5.1.	Extinguishing media	
Suitabl	e extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuita	able extinguishing media	: Do not use a heavy water stream.
5.2.	Special hazards arising from the su	ubstance or mixture
Reactiv	vity	: Thermal decomposition generates : Corrosive vapours.
5.3.	Advice for firefighters	
Firefigh	ting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protect	ion during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTI	ON 6: Accidental release meas	ures	
6.1.	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel		
Emerger	ncy procedures	: Evacuate unnecessary personnel.	
6.1.2.	For emergency responders		
Protectiv	ve equipment	: Equip cleanup crew with proper protection.	
Emerger	ncy procedures	: Ventilate area.	
6.2.	Environmental precautions		
Avoid R	elease to environment		
6.3.	Methods and material for containment	nt and cleaning up	
Methods	s for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store aways from other materials.	
6.4.	Reference to other sections		
See Her	ading 8 Exposure controls and personal r	protection	

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing.	
Hygiene measures	: Wash thoroughly after handling.	

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7.2. Conditions for safe sto	prage, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight.
Storage temperature	: >= 25 (5 - 42) °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

sodium hydroxide (1310-73-2)		
USA ACGIH A	CGIH Ceiling (mg/m³)	2 mg/m ³
8.2. Exposure controls		
Personal protective equipment	: Avoid all unnecessary exposure	e.
Hand protection	: Wear protective gloves.	
Eye protection	: Chemical goggles or face shiel	ld.
Skin and body protection	: Wear suitable protective clothin	ng.
Respiratory protection	: Wear appropriate mask.	
Other information	: Do not eat, drink or smoke duri	ing use.
SECTION 9: Physical and 9.1. Information on basic pl	chemical properties	
Physical state	: Liquid	
Colour	: Blue.	
Odour	: Characteristic odour.	
Odour threshold	: No data available	
рН	: >= 8.5 (8 - 9)	
Relative evaporation rate (butylace	tate=1) : No data available	
Melting point	: No data available	
Freezing point	: <= 0 °C	
Boiling point : >= 100 °C		
Flash point : None		
Self ignition temperature : No data available		

: No data available

- : No data available : No data available
- : >= 1.17 g/ml
- : Soluble in water.
- : No data available
- Log Kow : No data available Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- : No data available Explosive properties
- Oxidising properties : No data available : No data available
- Explosive limits

9.2. **Other information** VOC content

Decomposition temperature

Relative vapour density at 20 °C

Flammability (solid, gas)

Vapour pressure

Relative density

Density Solubility

Log Pow

: No VOCs

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SECTI	ON 10: Stability and reactivity
10.1.	Reactivity
Thermal	decomposition generates : Corrosive vapours.
10.2.	Chemical stability
Not esta	blished.
10.3.	Possibility of hazardous reactions
Not esta	blished.
10.4.	Conditions to avoid
Direct su	inlight. Extremely high or low temperatures.
10.5.	Incompatible materials
Strong a	cids. Strong bases.
10.6.	Hazardous decomposition products
fume. Ca	arbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.
SECTI	ON 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
sodium hydroxide (1310-73-2)	
LD50 dermal rabbit	1350 mg/kg (Rabbit; Literature, Rabbit; Literature)
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
	pH: >= 8.5 (8 - 9)
Serious eye damage/irritation	: Not classified
	pH: >= 8.5 (8 - 9)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: Readily biodegradable 28 days.

sodium hydroxide (1310-73-2) LC50 fishes 1 45.4 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Solution >=50%)	
EC50 Daphnia 1	40.4 mg/l (48 h; Ceriodaphnia sp.; Nominal concentration)
LC50 fish 2	189 mg/l (48 h; Leuciscus idus)
TLM fish 1	99 mg/l (48 h; Lepomis macrochirus)
TLM fish 2	125 ppm (96 h; Gambusia affinis)
2.2. Persistence and degradability RT300G Viper Brite	
Persistence and degradability	Biodegradable in the soil. Biodegradable in water. Not established.
sodium hydroxide (1310-73-2)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.

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sodium hydroxide (1310-73-2)		
Biochemical oxygen demand (BOD)	Not applicable	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
12.3. Bioaccumulative potential		
RT300G Viper Brite		
Bioaccumulative potential	Not established.	
sodium hydroxide (1310-73-2)		
Bioaccumulative potential	Bioaccumulation: not applicable.	
12.4. Mobility in soil		
No additional information available		
12.5. Other adverse effects		
Other information	: No other effects known. Avoid release to the environment.	
SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to	
Ecology - waste materials	: Avoid release to the environment.	

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SECTION 14: Transport information

SECTION 14: Transport information	
In accordance with DOT	
Transport document description	: UN1760 Corrosive liquids, n.o.s., 8, II
UN-No.(DOT)	: 1760
DOT NA no.	: UN1760
DOT Proper Shipping Name	: Corrosive liquids, n.o.s.
Department of Transportation (DOT) Hazard Classes	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT)	: 8 - Corrosive
	8
DOT Symbols	: G - Identifies PSN requiring a technical name
Packing group (DOT)	: II - Medium Danger
DOT Special Provisions (49 CFR 172.102)	: B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.
	IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T11 - 6 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
Additional information	
Other information	: Less than 32 ounces ORMD, greater than 32 ounces UN1760.
ADR	
Transport document description	:
Transport by sea No additional information available	
Air transport	

Air transport

No additional information available

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5.1. US Federal regulations	
sodium hydroxide (1310-73-2)	
Listed on the United States TSCA (Toxic Substan	nces Control Act) inventory
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	1000 lb

CANADA

RT300G Viper Brite	
WHMIS Classification	Class E - Corrosive Material Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

sodium hydroxide (1310-73-2)

U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

0.3. - Perinsylvania - KTK (Right to Know)

SECTION 16: Other information

Other information

: None.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Aquatic Acute 3	Hazardous to the aquatic environment — AcuteHazard, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H402	Harmful to aquatic life

NFPA health hazard	 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. 	
NFPA fire hazard	: 0 - Materials that will not burn.	
NFPA reactivity	 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently. 	
NFPA specific hazard	: None	\checkmark

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HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	: 0 Minimal Hazard
Physical	: 1 Slight Hazard

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product