

Trade name: SPECIAL-OIL-VP

Current version : 2.0.1, issued: 29.01.2019

Replaced version: 2.0.0, issued: 26.10.2015

Region: GB

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**SPECIAL-OIL-VP****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

coolant additive

**Uses advised against**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**SCAN-DIA GmbH  
Luetkenheider Strasse 11  
58099 Hagen  
Germany

Telephone no. +49 (0) -2331-62469-0

Fax no. +49 (0) -2331-62469-29

e-mail info@scan-dia.com

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**1.4 Emergency telephone number**

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 3; H412

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

-

**Signal word**

-

**Hazard statement(s)**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statement(s)**

P273 Avoid release to the environment.

P501 Dispose of contents/container to a facility in accordance with local and national regulations.

Trade name: SPECIAL-OIL-VP

Current version : 2.0.1, issued: 29.01.2019

Replaced version: 2.0.0, issued: 26.10.2015

Region: GB

**2.3 Other hazards**

PBT assessment

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	<b>carbonic acid, compound with 2-aminoethanol (1:2)</b>			
	21829-52-7 244-600-2 - 01-2119976326-28	Acute Tox. 4*; H302	>= 10.00 - < 25.00	%-b.w.
2	<b>boric acid</b>			
	10043-35-3 233-139-2 005-007-00-2 -	Repr. 1B; H360FD	>= 5.00 - < 10.00	%-b.w.
3	<b>Poly quaternary ammonium chloride</b>			
	31075-24-8 - - -	Acute Tox. 4; H302 Acute Tox. 4; H332 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.50	%-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(\*, \*\*, \*\*\*, \*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	Repr. 1B; H360FD: C >= 5.5%	-	-

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

**After inhalation**

Remove affected person from the immediate area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Call a doctor immediately.

**After skin contact**

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

**After ingestion**

Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person.

Trade name: SPECIAL-OIL-VP

Current version : 2.0.1, issued: 29.01.2019

Replaced version: 2.0.0, issued: 26.10.2015

Region: GB

## 4.2 Most important symptoms and effects, both acute and delayed

No data available.

## 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam; Extinguishing powder; Carbon dioxide; Water spray jet

#### Unsuitable extinguishing media

High power water jet

### 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

Wear protective clothing. Cool endangered containers with water spray jet. Suppress gases/vapours/mists with water spray jet. Use self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

### 6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, sawdust, general-purpose binder). When picked up, treat material as prescribed under heading "Disposal considerations". Ensure adequate ventilation.

### 6.4 Reference to other sections

Information regarding safe handling, see chapter 7. Information regarding personal protective measures, see chapter 8. Information regarding waste disposal, see chapter 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Avoid eye, skin and clothing contact. Open and handle container with care.

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Do not inhale vapours. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Provide eye wash fountain in work area. Keep away from food, drink and animal feeding stuffs.

#### Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

#### Recommended storage temperature

Value 6 - 40 °C

Trade name: SPECIAL-OIL-VP

Current version : 2.0.1, issued: 29.01.2019

Replaced version: 2.0.0, issued: 26.10.2015

Region: GB

### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	carbonic acid, compound with 2-aminoethanol (1:2)			21829-52-7 244-600-2	
	dermal	Long term (chronic)	systemic	1	mg/kg/day
	inhalative	Long term (chronic)	local	3.3	mg/m <sup>3</sup>

##### DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	carbonic acid, compound with 2-aminoethanol (1:2)			21829-52-7 244-600-2	
	oral	Long term (chronic)	systemic	3.75	mg/kg/day
	dermal	Long term (chronic)	systemic	0.24	mg/kg/day
	inhalative	Long term (chronic)	local	2	mg/m <sup>3</sup>

##### PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	carbonic acid, compound with 2-aminoethanol (1:2)		21829-52-7 244-600-2	
	water	fresh water	32	µg/L
	water	marine water	3.2	µg/L
	water	Aqua intermittent	320	µg/L
	water	fresh water sediment	0.03	mg/kg dry weight
	water	marine water sediment	0.003	mg/kg dry weight
	soil	-	0.0058	mg/kg dry weight

### 8.2 Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

#### Personal protective equipment

##### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. If ventilation insufficient, use a respiratory protection apparatus.

##### Eye / face protection

Tightly fitting safety glasses (EN 166).

Trade name: SPECIAL-OIL-VP

Current version : 2.0.1, issued: 29.01.2019

Replaced version: 2.0.0, issued: 26.10.2015

Region: GB

## Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves. Chemicals- / solvent-resistant gloves (EN 374)

## Other

Normal chemical work clothing.

## Environmental exposure controls

Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Colour</b>			
liquid			
yellow			
<b>Odour</b>			
mild			
<b>Odour threshold</b>			
No data available			
<b>pH value</b>			
Value		9.2	
Concentration		3	%
<b>Boiling point / boiling range</b>			
Value	>	100	°C
<b>Melting point / melting range</b>			
No data available			
<b>Decomposition point / decomposition range</b>			
No data available			
<b>Flash point</b>			
Value	>	100	°C
<b>Auto-ignition temperature</b>			
No data available			
<b>Oxidising properties</b>			
No data available			
<b>Explosive properties</b>			
The product does not have explosive properties.			
<b>Flammability (solid, gas)</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
No data available			
<b>Upper flammability or explosive limits</b>			
No data available			
<b>Vapour pressure</b>			
not determined			

Trade name: SPECIAL-OIL-VP

Current version : 2.0.1, issued: 29.01.2019

Replaced version: 2.0.0, issued: 26.10.2015

Region: GB

<b>Vapour density</b>
No data available

<b>Evaporation rate</b>
No data available

<b>Relative density</b>
No data available

<b>Density</b>	
Value	1.1 g/cm <sup>3</sup>
Reference temperature	15 °C

<b>Solubility in water</b>	
Comments	emulsifiable

<b>Solubility(ies)</b>
No data available

<b>Partition coefficient: n-octanol/water</b>			
No	Substance name	CAS no.	EC no.
1	carbonic acid, compound with 2-aminoethanol (1:2)	21829-52-7	244-600-2
	log Pow		-1.78
	Reference temperature		22.5 °C
	Method	OECD 107	
	Source	ECHA	

<b>Viscosity</b>
No data available

## 9.2 Other information

<b>Other information</b>
No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

### 10.5 Incompatible materials

Oxidizing agents; Acids; Bases

### 10.6 Hazardous decomposition products

None, if handled according to intended use.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

<b>Acute oral toxicity (result of the ATE calculation for the mixture)</b>	
No	Product Name
1	SPECIAL-OIL-VP
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Trade name: SPECIAL-OIL-VP

Current version : 2.0.1, issued: 29.01.2019

Replaced version: 2.0.0, issued: 26.10.2015

Region: GB

Acute oral toxicity	
No data available	

Acute dermal toxicity	
No data available	

Acute inhalational toxicity	
No data available	

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	carbonic acid, compound with 2-aminoethanol (1:2)	21829-52-7	244-600-2
Duration of exposure		4	h
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		non-irritant	

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	carbonic acid, compound with 2-aminoethanol (1:2)	21829-52-7	244-600-2
Duration of exposure		7	day(s)
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	carbonic acid, compound with 2-aminoethanol (1:2)	21829-52-7	244-600-2
Route of exposure		Skin	
Species		Guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	

Germ cell mutagenicity	
No data available	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	carbonic acid, compound with 2-aminoethanol (1:2)	21829-52-7	244-600-2
Type of examination		Chromosome aberration test	
Species		Human Lymphocyte	
Method		OECD 473	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

STOT - repeated exposure	
No data available	

Aspiration hazard	
No data available	

Trade name: SPECIAL-OIL-VP

Current version : 2.0.1, issued: 29.01.2019

Replaced version: 2.0.0, issued: 26.10.2015

Region: GB

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	carbonic acid, compound with 2-aminoethanol (1:2)	21829-52-7	244-600-2
LC50	>	100	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	carbonic acid, compound with 2-aminoethanol (1:2)	21829-52-7	244-600-2
EC50		32	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	carbonic acid, compound with 2-aminoethanol (1:2)	21829-52-7	244-600-2
EC50		39	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			

### 12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	carbonic acid, compound with 2-aminoethanol (1:2)	21829-52-7	244-600-2
Value		101	%
Duration		28	day(s)
Method	OECD 301 D		
Source	ECHA		
Evaluation	readily biodegradable		

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	carbonic acid, compound with 2-aminoethanol (1:2)	21829-52-7	244-600-2
log Pow		-1.78	
Reference temperature		22.5	°C
Method	OECD 107		
Source	ECHA		



Trade name: SPECIAL-OIL-VP

Current version : 2.0.1, issued: 29.01.2019

Replaced version: 2.0.0, issued: 26.10.2015

Region: GB

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

## 12.6 Other adverse effects

No data available.

## 12.7 Other information

Other information
Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste code 12 01 10\* synthetic machining oils  
 The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.  
 Remove in accordance with local official regulations.

#### Packaging

Completely discharge containers. Do not reuse product container.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

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

Not relevant

Trade name: SPECIAL-OIL-VP

Current version : 2.0.1, issued: 29.01.2019

Replaced version: 2.0.0, issued: 26.10.2015

Region: GB

## SECTION 15: Regulatory information

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

#### EU regulations

<b>Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)</b>				
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.				
<b>REACH candidate list of substances of very high concern (SVHC) for authorisation</b>				
The product contains following substance(s) meeting the criteria in Article 57 in association with Article 59 of the REACH regulation ((EC) 1907/2006) that are placed on the list of candidates considered for inclusion in annexe XIV (substances subject to Authorisation).				
No	Substance name	CAS no.	EC no.	
1	boric acid	10043-35-3	233-139-2	
<b>Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES</b>				
The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.			No 3	
The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.				
No	Substance name	CAS no.	EC no.	No
1	boric acid	10043-35-3	233-139-2	30
<b>Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances</b>				
This product is not subject to Part 1 or 2 of Annex I.				
<b>Other regulations</b>				
Observe employment restrictions for young people.				
Observe employment restrictions for child bearing mothers and nursing mothers.				

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

#### Sources of key data used to compile the data sheet:

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU  
 Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.  
 Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.  
 National Threshold Limit Values of the corresponding countries as amended in each case.

#### Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H332	Harmful if inhaled.
H360FD	May damage fertility. May damage the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

#### Department issuing safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

This information is based on our present knowledge and experience.  
 The safety data sheet describes products with a view to safety requirements.  
 It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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