

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

## ALKYLATE GASOLINE 2S RELIANT / CAN 5 L

Version 3.0

Print Date 09.03.2022

Revision date / valid from 06.10.2021

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

#### 1.1. Product identifier

Trade name : ALKYLATE GASOLINE 2S RELIANT / CAN 5 L  
UFI : FHS3-70KY-500C-N6MR  
UFI code notified in : Germany, Denmark, Finland, Norway, Sweden

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

Use of the Substance/Mixture : Fuel  
Uses advised against : At this moment we have not identified any uses advised against

#### 1.3. Details of the supplier of the safety data sheet

Company : Brenntag Nordic AB  
Hyllie Stationstorg 31  
SE 215 32 Malmö  
Telephone : +46 (0)40-28 73 00  
Telefax : +46 (0)40-93 7015  
E-mail address : SDS.SE@brenntag-nordic.com  
Responsible/issuing person : Environment & Quality

#### 1.4. Emergency telephone number

Emergency telephone number : In case of personal injury call:  
Denmark: 82 12 12 12 Giftlinien, Bispebjerg Hospital  
Finland: Poison Information Centre: (09) 471 977 (direct) or (09) 47 11 (exchange), open 24h/day  
Norway: 22 59 13 00 Giftinformasjonen (døgnåpent)  
Sweden: +46-8-331231 Giftinformationscentralen (24 hour service)  
Outside these countries: Please call your local emergency services

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Flammable liquids	Category 1	---	H224
Aspiration hazard	Category 1	---	H304
Skin irritation	Category 2	---	H315
Specific target organ toxicity - single exposure	Category 3	Central nervous system	H336
Long-term (chronic) aquatic hazard	Category 2	---	H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Most important adverse effects**

Human Health	:	Vapours may cause irritation, headache, dizziness and may have narcotic effects and other central nervous effects. Skin irritation Splash in the eyes may cause discomfort. Cause pain in mouth and throat, nausea, vomiting, dizziness, headache and risk of unconsciousness., Already after ingestion or vomiting of small quantities may cause cough and possibly difficulty in breathing. Chemical pneumonia may occur in the course of a day.
Physical and chemical hazards	:	Extremely flammable liquid and vapour., Vapours are heavier than air and may spread along floors., Vapours may form explosive mixtures with air., To be stored as flammable liquid.
Potential environmental effects	:	Toxic to aquatic life with long lasting effects.

**2.2. Label elements****Labelling according to Regulation (EC) No 1272/2008**

Hazard symbols	:	   
Signal word	:	Danger
Hazard statements	:	H224                      Extremely flammable liquid and vapour. H304                      May be fatal if swallowed and enters airways. H315                      Causes skin irritation. H336                      May cause drowsiness or dizziness. H411                      Toxic to aquatic life with long lasting effects.

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### Precautionary statements

General	:	P102	Keep out of reach of children.
Prevention	:	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P273	Avoid release to the environment.
Response	:	P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
		P331	Do NOT induce vomiting.
Disposal	:	P501	Dispose of contents/ container in accordance with the local regulations.

### Hazardous components which must be listed on the label:

- Naphtha (petroleum), full-range alkylate, butane-contg.; Low boiling point modified naphtha
- Hydrocarbons, C<sub>≥</sub>5, C<sub>5</sub>-6-rich

### 2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		
		Hazard class / Hazard category	Hazard statements	
<b>Naphtha (petroleum), full-range alkylate, butane-contg.; Low boiling point modified naphtha</b>				
Index-No.	: 649-282-00-2	>= 65 - <= 74	Flam. Liq.1	H224
CAS-No.	: 68527-27-5		Skin Irrit.2	H315
EC-No.	: 271-267-0		STOT SE3	H336
EU REACH-Reg. No.	: 01-2119471477-29-xxxx		Asp. Tox.1	H304
			Aquatic Chronic2	H411
<b>Hydrocarbons, C<sub>≥</sub>5, C<sub>5</sub>-6-rich</b>				
Index-No.	: 649-401-00-8	>= 25 - <= 33	Flam. Liq.1	H224
CAS-No.	: 68476-50-6		Skin Irrit.2	H315
EC-No.	: 270-690-8		STOT SE3	H336
EU REACH-Reg. No.	: 01-2119489866-14-xxxx		Asp. Tox.1	H304
			Aquatic Chronic2	H411

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For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures**

- |                         |   |
|-------------------------|---|
| If inhaled              | : Keep patient warm and at rest. Consult a physician after significant exposure.  |
| In case of skin contact | : Wash off with soap and water.   |
| In case of eye contact  | : Rinse thoroughly with plenty of water, also under the eyelids. Consult a physician.   |
| If swallowed            | : Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Call a physician immediately. |

**4.2. Most important symptoms and effects, both acute and delayed**

- |          |  |
|----------|--|
| Symptoms | : See Section 11 for more detailed information on health effects and symptoms. |
| Effects  | : See Section 11 for more detailed information on health effects and symptoms. |

**4.3. Indication of any immediate medical attention and special treatment needed**

- |           |                             |
|-----------|-----------------------------|
| Treatment | : No information available. |
|-----------|-----------------------------|

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

- |                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : powder, Foam, Carbon dioxide (CO <sub>2</sub> ) |
| Unsuitable extinguishing media | : High volume water jet                           |

**5.2. Special hazards arising from the substance or mixture**

- |                                      |  |
|--------------------------------------|--|
| Specific hazards during firefighting | : Extremely flammable. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. |
|--------------------------------------|--|

**5.3. Advice for firefighters**

- |   |   |
|---|---|
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus.  |
| Further advice                                | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in |

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accordance with local regulations.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions : Evacuate personnel to safe areas. For personal protection see section 8.

**6.2. Environmental precautions**

Environmental precautions : Do not flush into surface water or sanitary sewer system. In case of large spillage contact the local authority.

**6.3. Methods and materials for containment and cleaning up**

Methods and materials for containment and cleaning up : 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).

**6.4. Reference to other sections**

See Section 1 for emergency contact information.  
See Section 8 for information on personal protective equipment.  
See Section 13 for waste treatment information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Provide for good ventilation. Mechanical ventilation can be needed. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures : Wash hands before breaks and immediately after handling the product. Smoking, eating and drinking should be prohibited in the application area.

**7.2. Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep locked up. Store in a place accessible by authorized persons only. Keep container tightly closed in a dry and well-ventilated place.

Advice on protection against fire and explosion : Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

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Other data : No decomposition if stored and applied as directed.

### 7.3. Specific end use(s)

Specific use(s) : No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other Occupational Exposure Limit Values

(Additional) Information : Contains no substances with occupational exposure limit values.

<b>Component:</b>	<b>Naphtha (petroleum), full-range alkylate, butane-contg.; Low boiling point modified naphtha</b>	<b>CAS-No. 68527-27-5</b>
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#### Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

DNEL	Workers, Acute - systemic effects, Inhalation	: 1300 mg/m <sup>3</sup>
DNEL	Workers, Long-term - systemic effects, Inhalation	: 1100 mg/m <sup>3</sup>
DNEL	Workers, Long-term - local effects, Inhalation	: 840 mg/m <sup>3</sup>
DNEL	Consumers, Acute - systemic effects, Inhalation	: 1200 mg/m <sup>3</sup>
DNEL	Consumers, Acute - systemic effects, Inhalation	: 640 mg/m <sup>3</sup>
DNEL	Consumers, Long-term - local effects, Inhalation	: 180 mg/m <sup>3</sup>

#### Predicted No Effect Concentration (PNEC)

No PNEC value was derived. :

### 8.2. Exposure controls

#### Personal protective equipment

*Respiratory protection*

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Advice : In case of insufficient ventilation, wear suitable respiratory equipment.  
Recommended Filter type:A

*Hand protection*

Advice : Wear suitable gloves.  
The glove material has to be impermeable and resistant to the product / the substance / the preparation.  
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Material : Nitrile rubber  
Break through time :  $\geq 8$  h

*Eye protection*

Advice : Tightly fitting safety goggles

*Skin and body protection*

Advice : Protective work clothing

**Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.  
In case of large spillage contact the local authority.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Form : liquid

Colour : colourless

Odour : like petrol

Odour Threshold : no data available

pH : Not applicable substance/mixture is non-soluble (in water)

Freezing point : no data available

Boiling point/boiling range : 20 - 210 °C

Flash point :  $< 0$  °C

Evaporation rate : no data available

Flammability (solid, gas) : no data available

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Upper explosion limit	:	7,6 %(V)
Lower explosion limit	:	1,4 %(V)
Vapour pressure	:	500 - 650 hPa (38 °C)
Relative vapour density	:	no data available
Density	:	ca. 0,7 g/cm <sup>3</sup> (15 °C)
Water solubility	:	< 0,05 g/l (20 °C)
Partition coefficient: n-octanol/water	:	log Kow > 3
Auto-ignition temperature	:	ca. 400 °C
Thermal decomposition	:	no data available
Viscosity, kinematic	:	< 1 mm <sup>2</sup> /s (38 °C)
Explosive properties	:	EU legislation: Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

**9.2. Other information**

No further information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Advice : Stable at normal ambient temperature and pressure.

**10.2. Chemical stability**

Advice : Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous reactions :  
Note : Stable under recommended storage conditions.  
Hazardous reactions : Vapours may form explosive mixture with air.

**10.4. Conditions to avoid**

Conditions to avoid : Heat, flames and sparks.  
Thermal decomposition : no data available

**10.5. Incompatible materials**



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Materials to avoid : Keep away from strong oxidizing agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products : No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Data for the product

#### Acute toxicity

##### Oral

Cause pain in mouth and throat, nausea, vomiting, dizziness, headache and risk of unconsciousness., Already after ingestion or vomiting of small quantities may cause cough and possibly difficulty in breathing. Chemical pneumonia may occur in the course of a day.

##### Inhalation

Vapours may cause irritation, headache, dizziness and may have narcotic effects and other central nervous effects.

##### Dermal

Please find this information in the listing of the component/components below in this section.

#### Irritation

##### Skin

Result : Causes skin irritation.

##### Eyes

Result : Splash in the eyes may cause discomfort.

#### Sensitisation

Result : Please find this information in the listing of the component/components below in this section.

#### CMR effects

#### CMR Properties

Carcinogenicity : Please find this information in the listing of the component/components below in this section.

Mutagenicity : Please find this information in the listing of the component/components below in this section.

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Reproductive toxicity : component/components below in this section.  
Please find this information in the listing of the component/components below in this section.

**Specific Target Organ Toxicity****Single exposure**

Remarks : May cause drowsiness or dizziness.

**Repeated exposure**

no data available

**Other toxic properties****Repeated dose toxicity**

no data available

**Aspiration hazard**

May be fatal if swallowed and enters airways.,

**Component:** Naphtha (petroleum), full-range alkylate, CAS-No. 68527-27-5  
butane-contg.; Low boiling point modified  
naphtha

**Acute toxicity****Oral**

LD50 : > 5000 mg/kg (Rat) (OECD Test Guideline 401)

**Inhalation**

LC50 : > 5610 mg/m<sup>3</sup> (Rat; vapour) (OECD Test Guideline 403) No deaths occurred

**Dermal**

LD50 : > 2000 mg/kg (Rabbit) (OECD Test Guideline 402)

**Sensitisation**

Result : not sensitizing (Guinea pig) (OECD Test Guideline 406)

**CMR effects****CMR Properties**

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Carcinogenicity : It is not considered carcinogenic.  
 Mutagenicity : It is not considered mutagenic.  
 Reproductive toxicity : It is not considered toxic for reproduction.

**SECTION 12: Ecological information**
**12.1. Toxicity**
**Data for the product**
**Acute toxicity**
**Toxicity to daphnia and other aquatic invertebrates**

EC50 : > 100 mg/l (Daphnia magna; 48 h) (OECD Test Guideline 202)  
 NOEC : 100 mg/l (Daphnia magna; 48 h) (OECD Test Guideline 202)

**algae**

EC50 : > 100 mg/l (Pseudokirchneriella subcapitata; 72 h) (OECD Test Guideline 201)  
 NOEC : 100 mg/l (Pseudokirchneriella subcapitata; 72 h) (OECD Test Guideline 201)

**Chronic toxicity**
**Long-term (chronic) aquatic hazard**

Result : Toxic to aquatic life with long lasting effects.

<b>Component:</b>	<b>Naphtha (petroleum), full-range alkylate, butane-contg.; Low boiling point modified naphtha</b>	<b>CAS-No. 68527-27-5</b>
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**Acute toxicity**
**Fish**

LL50 : 8,2 mg/l (Pimephales promelas; 96 h) (EPA-660/3-75-009)Water extractable fraction

**Toxicity to daphnia and other aquatic invertebrates**

EL50 : 4,5 mg/l (Daphnia magna (Water flea); 48 h) (OECD Test Guideline 202)Water extractable fraction  
 NOELR : 0,5 mg/l (Daphnia magna (Water flea); 48 h) (OECD Test Guideline 202)Water extractable fraction

**algae**

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EL50 : 3,7 mg/l (Pseudokirchneriella subcapitata (green algae); 96 h)  
(OECD Test Guideline 201) Water extractable fraction

**Chronic toxicity****Aquatic invertebrates**

EL50 10 mg/l (Daphnia magna (Water flea); 21 d) (OECD Test Guideline 211)  
NOELR 2,6 mg/l (Daphnia magna (Water flea); 21 d) (OECD Test Guideline 211)

**12.2. Persistence and degradability****Data for the product****Persistence and degradability****Biodegradability**

Result : Inherently biodegradable.

**12.3. Bioaccumulative potential****Data for the product****Bioaccumulation**

Result : Potential bioaccumulation

**12.4. Mobility in soil****Data for the product****Mobility**

Result : Volatilization is the fastest and most dominant elimination process in surface water and soil., Product can penetrate soil until reaching the surface of ground water., The product contains substances which are bound to particulate matter and are retained in soil.

**12.5. Results of PBT and vPvB assessment****Data for the product****Results of PBT and vPvB assessment**

Result : This mixture contains no substance considered to be persistent,

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bioaccumulating and toxic (PBT)., This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

### 12.6. Other adverse effects

#### Data for the product

#### Additional ecological information

Result : Toxic to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Product : Eliminate waste in conditions authorized by the regulations. Store waste in containers provided for this purpose. Do not dump in drains, water sheets or the ground.
- Contaminated packaging : Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. Dispose of as unused product.
- European Waste Catalogue Number : Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

### 14.1. UN number

1203

### 14.2. UN proper shipping name

ADR : GASOLINE  
RID : GASOLINE  
IMDG : GASOLINE

### 14.3. Transport hazard class(es)

ADR-Class : 3  
(Labels; Classification Code; Hazard Identification Number; Tunnel restriction code)

RID-Class : 3  
(Labels; Classification Code; Hazard Identification Number)

IMDG-Class : 3  
(Labels; EmS)

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II

3; F-E, S-E

### 14.4. Packaging group

ADR : II  
RID : II  
IMDG : II

### 14.5. Environmental hazards

Environmentally hazardous according to ADR : no  
Environmentally hazardous according to RID : no  
Marine Pollutant according to IMDG-Code : no

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

#### Further information for transport

Packaging ≤ 5L for liquid or ≤ 5kg for solids do not need to be marked with transport label Environmentally Hazardous Substance mark (fish and tree) and "MARINE Pollutant" does not need to be written on the transport document.

## SECTION 15: Regulatory information

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

#### Data for the product

Other regulations : Exposure limits in accordance to local regulations  
In accordance to national regulations about "handling of liquids with flashpoint below 100°C".  
Only persons, who are thoroughly instructed in the dangerous properties and the necessary safety precautions of the substance, are allowed to work with it.

Seveso Directive  
Pregnant and nursing women may not be exposed to the product. Take in consideration the national regulation.

### 15.2. Chemical safety assessment

no data available

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**SECTION 16: Other information**
**Full text of H-Statements referred to under sections 2 and 3.**

H224	Extremely flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

**Abbreviations and Acronyms**

<b>BCF</b>	bioconcentration factor
<b>BOD</b>	biochemical oxygen demand
<b>CAS</b>	Chemical Abstracts Service
<b>CLP</b>	Classification, Labelling and Packaging
<b>CMR</b>	carcinogenic, mutagenic or toxic to reproduction
<b>COD</b>	chemical oxygen demand
<b>DNEL</b>	derived no-effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>LC50</b>	median lethal concentration
<b>LOAEC</b>	lowest observed adverse effect concentration
<b>LOAEL</b>	lowest observed adverse effect level
<b>LOEL</b>	lowest observed effect level
<b>NLP</b>	no-longer polymer
<b>NOAEC</b>	no observed adverse effect concentration
<b>NOAEL</b>	no observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	occupational exposure limit
<b>PBT</b>	persistent, bioaccumulative and toxic
<b>REACH Auth. No.:</b>	REACH Authorisation Number
<b>REACH AuthAppC. No.</b>	REACH Authorisation Application Consultation Number
<b>PNEC</b>	predicted no-effect concentration
<b>STOT</b>	specific target organ toxicity
<b>SVHC</b>	substance of very high concern
<b>UVCB</b>	substance of unknown or variable composition, complex reaction products or biological materials
<b>vPvB</b>	very persistent and very bioaccumulative

**Further information**

**ALKYLATE GASOLINE 2S RELIANT / CAN 5 L**

- Key literature references and sources for data : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.
- Methods used for product classification : The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.
- Hints for trainings : The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.
- Other information :  
The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.  
The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.