


## SAFETY DATA SHEET

According to Commission Regulation (EU) No. 2015/ 830 Annex

	<b>BS QUATRIL</b>	The date of compilation:	2011-12-16
		Revision:	2016-09-19
		Version No.	7

### 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

<b>Product identifier</b>	BS Quatril
<b>Product code(s) according to the Combined Nomenclature (CNC)</b>	34029090, 38089490
<b>Relevant identified uses of the substance/ mixture and uses advised against</b>	Cleaning/ maintenance detergent for professional use – cationic surfactants based detergent.
<b>Supplier/ Manufacturer</b>	JSC „BS Chemical“, Baltijos pr. 123-9, LT-93224 Klaipeda, Lithuania, EU, tel./fax.: +370 46 366279, www.bs-chemical.com
<b>E-mail address for a competent person responsible for the safety data sheet</b>	dovile@bs-chemical.lt
<b>Emergency telephone number</b>	112 (in Member State of EU). Lithuania: +370 5 236 20 52, +370 687 533 78. Service is available 24 hours. Estonia: 16662, calling from abroad (+372) 626 93 90. Hours of operation are during weekdays from Monday 9AM to Saturday 9AM (closed on Sunday and on national holidays). Latvia: +371 67042473. Service is available 24 hours. Norway: 22 59 13 00. Poland: + 48 58 349 28 31, + 48 12 646 87 06, + 48 61 848 10 11, + 48 22 619 66 54 ext. 1240. 113 (in Member State of CIS). Russia: 8 (495) 621-68-85; 8 (495) 621-68-85. Belarus: +375 17 385 14 22.

### 2. HAZARDS IDENTIFICATION


<b>Classification of the substance/ mixture and label elements</b>	Signal word: Warning Hazard class: Skin corrosion/irritation, Hazard Category 2; Serious eye damage/eye irritation, Hazard Category 2. Hazard statements: H315 Causes skin irritation. H319 Causes serious eye irritation. Precautionary statements: P264 Wash skin/ hands thoroughly after handling. P280 Wear protective gloves / protective clothing / eye (face) protection. P302+P352 IF ON SKIN: Wash with plenty of water.
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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

**Other hazards** Substance/ mixture does not meet the PBT or vPvB classification criteria; at the time MSDS' compilation substances are not on the candidate SVHC (very high concern) list.

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

**Description of substance/ mixture** Solution, mixture of substances listed below with no hazardous additions.

#### Hazardous components:

No	CAS No	EC No	Index No	Mass fraction, %	Chemical name, <i>registration number</i>	Classification
1.	7173-51-5	230-525-2	612-131-00-6	< 5	didecyldimethylammonium chloride	Acute Tox. 4 H302 Skin Corr. 1B H314
2.	67-63-0	200-661-7	603-117-00-0	< 5	propan-2-ol, isopropyl alcohol, isopropanol <i>01-2119457558-25-0000</i>	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
3.	64-02-8	200-573-9	-	< 5	tetrasodium ethylenediaminetetraacetate <i>01-2119486762-27-0000</i>	Acute Tox, 4* H302 Eye Dam. 1 H318

Note: risk phrases and other signs are listed in Sections 2 and 16.

#### Components according to EU Detergents Regulation No. 551/2009:

Cationic surfactants	< 5
EDTA and its salts	< 5

### 4. FIRST AID MEASURES

#### Description of first aid measures:

##### Information of the first aid

In all cases if the damage to health occurred, seek immediate medical attention. Take off contaminated clothing. If a person is unconscious do not give any water/ do not put anything into the mouth. In If substance/mixture poisoning case was discovered immediately contact the nearest Poisons control and information centre.

##### After inhalation

If inhalation of aerosols or vapors during an accident has occurred, immediately stop the contact - take out a suffering person to the fresh air, provide a peace. If respiratory impairment has occurred seek medical advice. If a person lost consciousness, lay him down steadily on a side and carry to the medical institution.

##### After skin contact


Immediately remove all contaminated clothing, wash with plenty of water. In case of burn do not use soap. If symptoms of damage develop, seek medical advice.

##### After eye contact

Rinse opened eye as soon as possible, at least 15 minutes wash eyes with running water lifting and lowering eyelids. Remove contact lenses, if they present and it is easy to do. Seek immediate medical attention.

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After swallowing

Do not induce vomiting, do not give activated carbon. If a person is conscious, remove substance residues from mouth, rinse it with water, give to drink a water (until 300 ml) and seek immediate medical attention.

### Most important symptoms and effects (acute and delayed):

Effects on eyes/skin seen as irritant.

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

In the workplace must be an eyewash fountain, shower or bath. Also, first-aid equipment, instruments eyes flushed.

## 5. FIREFIGHTING MEASURES

### Extinguishing media

The mixture is not flammable. Extinguishing media: water (spray), dry extinguishing powder. Fire-fighting equipment must be selected assessing the properties of around burning materials.

### Special hazards arising from the substance/ mixture

It is necessary to know the properties of other chemical substances or mixtures used or stored together.

### Advice for firefighters

During the fire, wear respiratory protective equipment and chemical resistant/protective clothing. Protective personal equipment must be chosen assessing the properties of burning around materials.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Sufficient ventilation/ respiratory protection, contact with skin, eyes prevention. Do not inhale vapors. Use appropriate personal protective equipment as indicated in Section 8.

### Environmental precautions

Do not pour any spilled out material to the local drains, surface water or nature environment.

### Methods/ material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdusts). Neutralize residues and rinse off surface with water. It is prohibited discarding the material in the trash basket or pouring back into the original container. Dispose gathered material according to the instructions. When spills of large quantities, it is necessary to inform the rescue service.

### Reference to other sections

View sections 8 and 13.

## 7. HANDLING AND STORAGE

### Precautions for safe handling


Store in a tightly closed original packaging in dry ventilated area. Do not store together with acids, strong oxidizers. Do not damage packaging. Keep container in the temperature not lower than 0°C and not more than (+35°C) and away from heat.

### Conditions for safe storage, including any incompatibilities

For the professional use only. Use only in a well ventilated area, where exhaust ventilation is equipped strictly in accordance with the instructions. Use common rules/instructions when working with chemicals. Do not mix with other chemicals. During the process do not eat, drink or smoke. Use appropriate personal protective equipment as indicated in Section 8.

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**Specific end use(s)** For the professional use only.

### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Control parameters** according to HN 23:2007 in Lithuania:

Name	CAS No.	Allowable concentration
propan-2-ol, isopropyl alcohol, isopropanol	67-63-0	IPRD = 350 mg/m <sup>3</sup> , TPRD = 600 mg/m <sup>3</sup>

Notes: IPRD – long-term exposure limit value, TPRD – short-term exposure limit value.

#### Exposure controls

Appropriate engineering controls General, local exhaust ventilation. Avoid the spills, and any contact with this mixture, see Section 7. Avoid the spills, contact with ground and sewage system.

Personal protective equipment:

General protective and hygienic measures Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of the work. Avoid contact with eyes and skin.

Hand and body protection Protective gloves. The material of the gloves should be resistant to the substance/ mixture. Penetration time of the material check out with manufacturer. Protective clothing, footwear.

Eye protection Protective safety glasses, face covering shields.

Respiratory protection In case of insufficient ventilation or accident - protection against aerosols must be used half masks with filter, for protection against harmful liquid aerosols – filtering half masks with valves to protect against gases and particles.

Environmental impact control See sections 6 and 12.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Clear, colorless
Odor	Specific
pH, 100 %, 20-25°C	8,0 – 10,0
The relative density, g/cm <sup>3</sup> , 20°C	~ 1,00


### 10. STABILITY AND REACTIVITY

**Reactivity** Mixture is stable.

**Chemical stability** Under normal conditions, and if strictly followed the rules of safe use, the mixture is stable.

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<b>Possibility of hazardous reactions</b>	Not determined/ no data.
<b>Conditions to avoid/ incompatible materials</b>	Avoid heat, direct sunlight, flammable substances/measures, strong oxidizers.
<b>Hazardous decomposition products</b>	Reaction products depend on the substances/mixtures involved in the chemical reactions.

### 11. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects


Acute toxicity	On the basis of chemical information, it can be said that the mixture is not characterized by acute toxicity when swallowed by tested animals.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	Not determined/ no data.
Germ cell mutagenicity	Not determined/ no data.
Carcinogenicity	Not determined/ no data.
Reproductive toxicity	Not determined/ no data.
STOT-single exposure	Not determined/ no data.
STOT-repeated exposure	Not determined/ no data.
Aspiration hazard	Not determined/ no data.
Additional toxicological information	The effect depends on the concentration and on time from one second to minute.

### 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	On the basis of chemical information, it can be said that mixture is not characterized by toxicity to aquatic organisms.
<b>Persistence and degradability</b>	On the basis of chemical information can be said that the product is biodegradable. The biodegradation process of mixture (surfactants) in the environment is in accordance with requirements of Detergents Regulation No 551/ 2009.
<b>Bioaccumulative potential</b>	Does not accumulate in fatty tissues.
<b>Mobility in soil</b>	Soluble in water, spread out, neutralize. Before being released into waste water or sewage system must be diluted with water or neutralized.
<b>Results of PBT and vPvB assessment</b>	Components are not classified as PBT and vPvB substances.

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**Other adverse effects** Not determined/ no data.

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods:

Disposal of product Waste must be managed according to the Waste Management Act. The product burning decomposes into carbon dioxide and water. Incineration is the recommended method of disposal of the product.

Disposal of packaging Packaging waste must be handled according to packaging and packaging waste management act. The product must be diluted with water or neutralized before released into sewage system. Washed and dried packaging can be reused or given back to packaging waste management companies. Packaging waste code 15 01 02 plastic (including PET) packaging; 15 01 10 contaminated packaging or containing dangerous chemical residues.

### 14. TRANSPORT INFORMATION

**Transport classification** Land transport ADR / RID (international/internal transportation).

**UN number** Not applicable.

**Special precautions for user** Do not damage packaging.

### 15. REGULATORY INFORMATION

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

Commission Regulation (EC) No. 286/2011; 1272/2008; 1907/2006; 2015/830.

Commission Regulation (EC) No. 551/2009.

HN 23:2007 Occupational exposure limit values. Measuring the Impact Assessment and General Requirements.

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

**Chemical safety assessment** Chemical safety assessment is conducted for present substance (sodium hydroxide).

### 16. OTHER INFORMATION

Explanations of Hazard symbols and numeric characters (described in Section 3):

Flam. Liq. 2 Flammable liquid, Category 2

Skin Corr. 1B Skin corrosion/irritation, subcategory 1B.

Acute Tox. 4 Acute toxicity, Category 4

Eye Dam. 1 Serious eye damage, Category 1

Eye Irrit. 2 Eye irritation, Category 2

