

**SECTION 1) IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product Identifier:**

**Product Name:** ETHANOL SDA BITREX      **Revision Date:** Dec 09, 2020  
**UFI Number:** N.A.  
**Product Code:** ETHANOL SDA BITREX      **Version:** 2.0

**1.2 Relevant Identified Uses of the Substance or Mixture:**      **Date Printed:** May 02, 2021  
Solvent      **Supersedes Date:** Mar 12, 2018

**1.3 Details of the Supplier of the Safety Data Sheet:**

**Manufacturer's Name:** Gadot Terminals (1985) Ltd.  
**Address:** 5 Hamelacha St., Haogen Building, Poleg Industrial Area, P.O.B 8751 , IL  
**Information Phone Number:** +972-9-8929500 (sds-gadot@gadot.com)  
**Fax:** +972-98653385

**1.4 Emergency Information:**

**Emergency Phone:** 972-73-2733200 Israel Ministry of Environmental Protection. 972-4-7771900 Rambam Poison Information.

**SECTION 2) HAZARDS IDENTIFICATION****2.1 Classification**

Eye Irritation - Category 2

Flammable Liquids - Category 2

Safety data sheet prepared in accordance to Regulation (EC) No. 1907/2006 as amended from time to time.

**2.2 Label Elements****Pictograms****Signal Word**

Danger

**Hazardous Statements - Health**

H319 - Causes serious eye irritation

**Hazardous Statements - Physical**

H225 - Highly flammable liquid and vapor

**Precautionary Statements - General**

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

**Precautionary Statements - Prevention**

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take action to prevent static discharges.

### Precautionary Statements - Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P370 + P378 - In case of fire: Use carbon-dioxide, alcohol foam, water spray or dry chemical to extinguish.

### Precautionary Statements - Storage

P403 + P235 - Store in a well-ventilated place. Keep cool.

### Precautionary Statements - Disposal

P501 - Dispose of contents/container in accordance with local/national/international regulation. Waste management should be in full compliance with federal, state and local laws

## 2.3 Other hazards

This mixture does not contain any chemicals listed on the ECHA's endocrine disruptor (ED) assessment list.

## SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

CAS	Chemical Name	GHS Classifications	% By Weight	EC No
0000064-17-5	ETHYL ALCOHOL - REACH NO. 01-21198457610-43-0004	Eye Irr. 2, H319; Flam. Liq. 2, H225	74.93% - 100.00%	200-578-6
0000075-65-0	TERT-BUTYL ALCOHOL	Acute Tox. Inh. 4, H332; Eye Irr. 2, H319; Flam. Liq. 2, H225; STOT SE 3 (Narc.), H336; STOT SE 3 (Resp.), H335	Trace	200-889-7
0003734-33-6	BENZENEMETHANAMINIUM, N-[2-[(2,6-DIMETHYLPHENYL)AMINO]-2-OXOETHYL]-N,N-DIETHYL-, BENZOATE (1:1)	Acute Tox. Inh. 2, H330; Acute Tox. Oral 4, H302; Eye Dam. 1, H318	Trace	223-095-2

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

## SECTION 4) FIRST-AID MEASURES

### 4.1 Description of measures

#### Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Eliminate all ignition sources if safe to do so.

#### Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

#### Skin Contact

Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention.

Take off immediately contaminated clothing. Store contaminated clothing under water and wash before re-use or discard.

### **Ingestion**

Rinse mouth. If you feel unwell/If concerned: Call a POISON CENTER/doctor.

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

Can irritate the respiratory tract. Can irritate eyes and skin. May affect the central nervous system, blood, kidneys and liver. Exposure can cause headache, dizziness and lightheadedness.

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

Treat according to symptoms (decontamination, vital functions), no known specific antidote. Treatment should be supportive and based on the judgement of the physician in response to the reaction of the patient.

## **SECTION 5) FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

#### **Suitable Extinguishing Media**

Small Fire : Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Large Fire : Water spray, fog or alcohol-resistant foam.

#### **Unsuitable Extinguishing Media**

Do not use straight stream of water.

### **5.2 Specific Hazards in Case of Fire**

Dense smoke may be generated while burning. Evolves toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones when heated to combustion.

### **5.3 Advice for firefighters**

#### **Fire-Fighting Procedures**

See section 8 for specifics on protective personal equipment (PPE). Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

#### **Special Protective Actions**

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## **SECTION 6) ACCIDENTAL RELEASE MEASURES**

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

#### **Emergency Procedure**

Stay uphill and/or upstream. Ventilate closed spaces before entering. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Evacuate and isolate hazard area and keep unauthorized personnel away. A vapor-suppressing foam may be used to reduce vapors.

#### **Recommended Equipment**

See section 8 for specifics on protective personal equipment (PPE). Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

#### **Personal Precautions**

Avoid breathing vapor or mist. Avoid contact with skin, eye or clothing.

### **6.2 Environmental precautions**

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. Dike far ahead of liquid spill for later disposal.

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

Ventilate area after clean-up is complete. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean, non-sparking tools to collect absorbed material.

### **6.4 Reference to other sections**

No data available.

## SECTION 7) HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### General

Wash hands after use. Avoid contact with skin, eye or clothing. Avoid breathing vapor or mist. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored. All containers must be properly labelled. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

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

#### Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Report ventilation failures immediately.

#### Storage Room Requirements

Keep containers securely sealed when not in use. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and strong oxidizers. Store in approved containers and protect against physical damage. Take precautionary measures against electrostatic discharge. To avoid fire or explosion, dissipate static electricity during transfer by ground and bonding containers and equipment before transferring material. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

### 7.3 Specific end use(s)

No data available.

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Chemical Name	FR_ED984_VL EP_ppm - France, ED 984, Des Valeure limites d'exposition professionnelle ppm	FR_ED984_VL EP_mg_m3 - France, ED 984, Des Valeure limites d'exposition professionnelle milligram per cubic meter	FR_ED984_VL CT_or_VLE_15 min_ppm - France, ED 984, Des Valeure limites court terme (VLCT) ou Valeure limites d'exposition (VLE) 15 minute, ppm	FR_ED984_VL CT_or_VLE_15 min_mg_m3 - France, ED 984, Des Valeure limites court terme (VLCT) ou Valeure limites d'exposition (VLE) 15 minute, mg/m3	FR_ED984_VL CT_or_VLE_5 min_ppm - France, ED 984, Des Valeure limites court terme (VLCT) ou Valeure limites d'exposition (VLE) 15 minute, ppm	FR_ED984_VL CT_or_VLE_5 min_mg_m3 - France, ED 984, Des Valeure limites court terme (VLCT) ou Valeure limites d'exposition (VLE) 5 minute, mg/m3	FR_ED984_Observation_Santé - France, ED 984, Observation des effet sur la santé	FR_ED984_VL EP_Date - France, ED 984, Date
BENZENEMET HANAMINIUM, N-[2-[(2,6-DIMETHYLPHENYL)AMINO]-2-OXOETHYL]-N,N-DIETHYL-, BENZOATE (1:1)								
ETHYL ALCOHOL - REACH NO. 01 -21198457610-43-0004	1000	1900	5000	1900				
TERT-BUTYL ALCOHOL	100	300		300				

Chemical Name	ES_VLA_ED_ppm - Spain, VALORES LÍMITE AMBIENTALES DE EXPOSICIÓN DIARIA(VLA-ED)_ppm	ES_VLA_ED_mg_m3 - Spain, VALORES LÍMITE AMBIENTALES DE EXPOSICIÓN DIARIA(VLA-ED)_mg/m3	ES_VLA_EC_ppm - Spain, VALORES LÍMITE AMBIENTALES DE CORTA DURACIÓN (VLA-EC)_ppm	ES_VLA_Notas - Spain, VALORES LÍMITE AMBIENTALES DE NOTAS	ES_VLA_EC_mg_m3 - Spain, VALORES LÍMITE AMBIENTALES DE CORTA DURACIÓN (VLA-EC)_mg/m3	ES_CM - Spain, Listado de compuestos Cancerígenos y Mutágenos categorías 1A y 1B	DE_AS_ppm - Germany Occupational Exposure Limit ppm (ml/m3), (Arbeitsplatzgrenzwert Spitzenbegr)	DE_AS_mg_m3 - Germany Occupational Exposure Limit mg/m3, (Arbeitsplatzgrenzwert Spitzenbegr)

BENZENEMET HANAMINIUM, N-[2-[(2,6-DIMETHYLPHENYL)AMINO]-2-OXOETHYL]-N,N-DIETHYL-, BENZOATE (1:1)								
ETHYL ALCOHOL - REACH NO. 01 -21198457610-43-0004			1000	s	1910		200	380
TERT-BUTYL ALCOHOL	100	308		s			20	62

Chemical Name	DE_AS_UF - Germany Occupational Exposure Limit, Top limit - overshoot factor (Arbeitsplatzgrenzwert Spitzenbegr, Überschreitungsfaktor)	DE_AS_Bemerkungen - Germany Occupational Exposure Limit Remarks, (Arbeitsplatzgrenzwert Spitzenbegr, Bemerkungen)	IOELV TWA (mg/m3)	IOELV TWA (ppm)	IOELV STEL (mg/m3)	IOELV STEL (ppm)	IOELV Directive	IOELV Notations
BENZENEMET HANAMINIUM, N-[2-[(2,6-DIMETHYLPHENYL)AMINO]-2-OXOETHYL]-N,N-DIETHYL-, BENZOATE (1:1)								
ETHYL ALCOHOL - REACH NO. 01 -21198457610-43-0004	4(II)	Y						
TERT-BUTYL ALCOHOL	4(II)	Y						

Chemical Name	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH Notations	DNEL_Inh_Local (mg)	DNEL_Inh_Systemic (mg)
BENZENEMET HANAMINIUM, N-[2-[(2,6-DIMETHYLPHENYL)AMINO]-2-OXOETHYL]-N,N-DIETHYL-, BENZOATE (1:1)								4.99
ETHYL ALCOHOL - REACH NO. 01 -21198457610-43-0004				1000	A3	A3		950
TERT-BUTYL ALCOHOL		100			A4	A4		2.7

Chemical Name	DNEL_Carcinogenic
BENZENEMET	

HANAMINIUM, N-[2-[(2,6-DIMETHYLPHE NYL)AMINO]-2- OXOETHYL]- N,N-DIETHYL-, BENZOATE (1:1)	
ETHYL ALCOHOL - REACH NO. 01 -21198457610- 43-0004	
TERT-BUTYL ALCOHOL	

A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, A4 - Not Classifiable as a Human Carcinogen

## 8.2 Exposure controls

### Eye Protection

Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield. Goggles should be consistent with EN 166B or equivalent. The lens must remain in the frame and is not to shatter. The frame must remain intact as well. Frame and lens must withstand the impact of a 6 mm steel ball weighing 0,86 gram fired at 432 km/h.

### Skin Protection

Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Full contact Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 480 min Material tested: Butoject® (KCL 897 / Aldrich Z677647, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 30 min Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M). Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Contaminated gloves should be replaced. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program should be followed. When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) certified air-purifying respirators equipped with EN 14387 certified organic vapor absorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place. For emergency or non-routine, high exposure situations, including confined space entry, use certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

### Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

### Environmental Exposure Controls

Use the appropriate container to avoid environmental contamination. Keep away from all drains, surface and ground water. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Physical and Chemical Properties

Density	0.79732 g/cm <sup>3</sup>
Specific Gravity	0.79732
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Appearance	Liquid
Colour	Colourless
Odour Threshold	No Data Available
Odour Description	Characteristic
Water Content	No Data Available
pH	No Data Available
Water Solubility	Soluble in water

Flammability	N/A
Flash Point	13 °C
Viscosity	No Data Available
Kinematic Viscosity	No Data Available @No Data Available
Pour Point	No Data Available
Lower Explosion Level (%v)	3.5
Upper Explosion Level (%v)	15
Vapor Pressure	No Data Available
Vapor Density	No Data Available
Freezing Point	No Data Available
Melting Point	No Data Available
Low Boiling Point	77 °C
High Boiling Point	No Data Available
Auto Ignition Temp	No Data Available
Decomposition Pt	No Data Available
Evaporation Rate	No Data Available
Coefficient Water/Oil	No Data Available
Refractive Index	No Data Available
Explosive properties	Not applicable
Oxidizing Properties	Not applicable

## 9.2 Other Information

No data available.

## SECTION 10) STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available. Stable under recommended storage conditions.

### 10.2 Chemical stability

Stable under normal storage and handling conditions. Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Will not occur. Will not occur under recommended storage conditions.

### 10.4 Conditions to avoid

Avoid heat, sparks, flame and contact with incompatible materials Avoid all possible sources of ignition, heat, sparks, flame, build up of static electricity and contact with incompatible materials.

### 10.5 Incompatible materials

Strong bases, acids, and oxidizing agents. Strong oxidizing agents, strong bases, strong acids.

### 10.6 Hazardous Decomposition Products

Oxides of Carbon.

## SECTION 11) TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Toxicity

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

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (vapour) exposure to this mixture is >20 mg/l

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

Inhalation can irritate the nose, throat and lungs.

0000075-65-0 TERT-BUTYL ALCOHOL

Exposure can cause nausea, vomiting and diarrhea.

#### **Aspiration Hazard**

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

#### **Carcinogenicity**

The highly refined mineral oil contains <3% DMSO extract as measured by IP 346, hence the classification of a carcinogen need not apply.

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

#### **Germ Cell Mutagenicity**

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

#### **Reproductive Toxicity**

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

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

High concentration may damage the fetus.

#### **Respiratory/Skin Sensitization**

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

0000075-65-0 TERT-BUTYL ALCOHOL

Can irritate the nose and throat causing coughing and wheezing. Repeated or prolonged contact with skin may cause dermatitis.

#### **Serious Eye Damage/Irritation**

Causes serious eye irritation

0000075-65-0 TERT-BUTYL ALCOHOL

Contact can irritate the eyes

Contact can irritate the eyes.

#### **Skin Corrosion/Irritation**

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

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

Contact can irritate the skin. Prolonged or repeated exposure can cause drying and cracking of the skin with peeling, redness and itching.

0000075-65-0 TERT-BUTYL ALCOHOL

Contact can irritate the skin.

#### **Specific Target Organ Toxicity - Single Exposure**

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

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

Exposure can cause headache, drowsiness, nausea and vomiting, and unconsciousness. It can also affect concentration and vision.

0000075-65-0 TERT-BUTYL ALCOHOL

Exposure can cause headache, dizziness, confusion and passing out. May affect the liver and kidneys.

#### **Specific Target Organ Toxicity - Repeated Exposure**

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

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

Repeated high exposure may affect the liver and the nervous system. Chronic ingestion of ethanol may cause liver cirrhosis.

0000075-65-0 TERT-BUTYL ALCOHOL

Repeated exposure may cause bronchitis to develop with coughing, phlegm, and/or shortness of breath.

#### **Likely Routes of Exposure**

Inhalation, Ingestion, Skin contact, Eye contact

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

The substance can be absorbed into the body by inhalation of its vapor or by ingestion.

0000075-65-0 TERT-BUTYL ALCOHOL

The substance can be absorbed into the body by inhalation of its vapour or by ingestion.

## Potential Health Effects - Miscellaneous

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

The following medical conditions may be aggravated by exposure: liver disease. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in animals demonstrate reproductive toxicity. Ingestion may cause any of the following: stupor (central nervous system depression), gastrointestinal irritation. If absorbed through the skin, may be: harmful.

0000075-65-0 TERT-BUTYL ALCOHOL

LD50 (oral, rat): 3,500 mg/kg  
LD50 (oral, rabbit): 3,600 mg/kg

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

LC50 (mouse): Approximately 21000 ppm (4-hour exposure); cited as 39 g/m<sup>3</sup> (4-hour exposure)

LD50 (oral, rat): 7060 mg/kg  
LD50 (oral, mouse): 3450 mg/kg  
LD50 (oral, guinea pig): 5560 mg/kg

## SECTION 12) ECOLOGICAL INFORMATION

### 12.1 Toxicity

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

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

S gairdneri: 13.0g/l (96hr LC50) Nauplii : 858 g/l (48hr EC50) Ceriodaphnia dubia : 9.6mg/l (10 day NOEC) Freshwater Fish 250mg/l (NOEC)  
Reference: REACH registration Dossier.

### 12.2 Persistence and degradability

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

Readily biodegradable. Half-life in air = 38 h

0000075-65-0 TERT-BUTYL ALCOHOL

Readily biodegradable.

### 12.3 Bioaccumulative Potential

0000064-17-5 Ethyl alcohol - REACH No. 01-21198457610-43-0004

Substance has a low potential for bioaccumulation (log Kow<sub>3</sub>),

### 12.4 Mobility in Soil

0000075-65-0 TERT-BUTYL ALCOHOL

The substance is not PBT/vPvB

The substance is not PBT/vPvB.

### 12.5 Results of the PBT and vPvB assessment

No data available.

### 12.6 Other Adverse Effects

This mixture does not contain any chemicals listed on the ECHA's endocrine disruptor (ED) assessment list.

## SECTION 13) DISPOSAL CONSIDERATIONS

### 13.2 Waste Disposal

#### Waste Treatment Methods

It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes.

## SECTION 14) Transport Information

	Land Transportation (ADR/RID)	Inland Waterway Transport (ADN (R))	Marine Transport (IMDG)	Air Transport (ICAO/IATA)
14.1 UN number:	UN1170	UN1170	UN1170	UN1170
14.2 UN proper shipping name:	Ethanol solutions (TERT-BUTYL ALCOHOL)	Ethanol solutions (TERT-BUTYL ALCOHOL)	Ethanol solutions (TERT-BUTYL ALCOHOL)	Ethanol solutions (TERT-BUTYL ALCOHOL)
14.3 Transport hazard class(es):	3	3	3	3
14.4 Packing group:	II	II	II	II
Hazchem code:	•2YE			
Hazard identification number:	33			
14.5 Environmental Hazard:	No Data Available	No Data Available	No Data Available	No Data Available
14.6 Special precautions for user:	No Data Available	No Data Available	No Data Available	No Data Available
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No Data Available	No Data Available	No Data Available	No Data Available

## SECTION 15) REGULATORY INFORMATION

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

#### 15.1.1 EU REACH Regulations

Contains no substances with Annex XVII restrictions.

Contains no REACH Annex XIV substances.

Contains no substance on the REACH candidate list at a concentration level  $\geq 0.1\%$ .

#### 15.1.2 National Regulations

No additional information available.

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this product.

CAS	Chemical Name	% By Weight	Regulation List
0000064-17-5	ETHYL ALCOHOL - REACH NO. 01-21198457610-43-0004	74.93% - 100.00%	IARC Carcinogen, TSCA, EU_EC_Inventory - European_EC_Inventory
0000075-65-0	TERT-BUTYL ALCOHOL	Trace	TSCA, EU_EC_Inventory - European_EC_Inventory
0003734-33-6	BENZENEMETHANAMINIUM, N-[2-[(2,6-DIMETHYLPHENYL)AMINO]-2-OXOETHYL]-N,N-DIETHYL-, BENZOATE (1:1)	Trace	TSCA, EU_EC_Inventory - European_EC_Inventory

## SECTION 16) OTHER INFORMATION

### Glossary

ACGIH - American Conference of Governmental Industrial Hygienists; Acute Tox. - acute toxicity; ADN - (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways); ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; CAS - Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances); Chemtrec - Chemical Transportation Emergency Center; CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures; DSL - Domestic Substances List; EC No - The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) EH40/2005 EH40/2005 Workplace exposure limits (<http://www.nationalarchives.gov.uk/doc/opengovernment-licence/>); EINECS - European Inventory of Existing

Commercial Chemical Substances; ELINCS - European List of Notified Chemical Substances; Eye Dam. - Seriously damaging to the eye; Eye Irrit. - Irritant to the eye; Flam. Liq. - Flammable Liquid; Flam. Sol. - Flammable Solid; GHS - "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; MARPOL - International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant"); IOELV - Indicative Occupational Exposure Limit Value; LC - Lethal Concentration; LD - Lethal Dose; MARPOL -International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant"); NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; NLP - No-Longer Polymer; PBT - Persistent, Bioaccumulative and Toxic; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self Contained Breathing Apparatus; ppm - parts per million; REACH - Registration, Evaluation, Authorization and Restriction of Chemicals; Resp. Sens. - Respiratory sensitization; Resp. - Respiratory Irritation; RID - (Regulations concerning the International carriage of Dangerous goods by Rail; Skin Corr. - Corrosive to skin; Skin Irrit. - Irritant to skin; Skin Sens. - Skin sensitization; STEL - Short-term exposure limit; STOT SE - Specific target organ toxicity - single exposure; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; vPvB - Very Persistent and very Bioaccumulative; WEL - Workplace exposure limit.

### Classification methods used to derive the classification for mixtures according to Regulation (EC) 1272/2008

Calculation methods have been used for evaluation of all hazard classes assigned to the product under Article 9 of Regulation (EC) No. 1272/2008.

### Key literature references and sources for data

Safety data sheet prepared in accordance to Regulation (EC) No. 1907/2006 as amended from time to time.

ECHA Dissemination Database and C&L Inventory.

### Version 2.0:

Revision Date: Dec 09, 2020

### Full text of H-Statements referred to under Section 3

H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

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