



# Sanitiser

Kills 99.9999% (LOG6) of known bacteria.  
Superior to other products.

## SAFETY DATA SHEET APLUS ALCOHOL HAND GEL

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

#### 1.1 Product Identifier: A PLUS Alcohol Hand Gel

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

Identified Uses	Hand Sanitiser
Uses Advised against	Use only for intended applications

#### 1.3 Details of the Supplier of the Safety Data Sheet

<b>Supplier:</b>	Dixon Glass Limited 127 - 129 Avenue Road Beckenham, Kent BR3 4RX
<b>Telephone:</b>	+44 (0)208 7786458
<b>Fax:</b>	
<b>Email:</b>	info@dixonscience.com

1.4 Emergency Telephone Number : +44 (0)1732 861550

### SECTION 2: Hazards identification

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

Classification (EC1272/2008)	
Physical Hazards	Flam Liq 2 – H225
Health Hazards	Eye Irrit 2 H319
Environmental Hazards	Not Classified

#### 2.2 Label Elements

Hazard pictograms



Signal Word            Danger

Hazard Statements	H225 Flammable liquid and vapour H319 Causes serious eye irritation
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Precautionary statements:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P240 Ground and bond container and receiving equipment P241 Use explosion-proof electrical equipment P243 Take action to prevent static discharges P280 Wear protective gloves/protective clothing/eye protection/face protection P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P403 + P235 Store in a well ventilated place. Keep cool.
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Supplementary Precautionary Statements	P242 use non sparking tools P264 Wash contaminated skin thoroughly after handling P303 + P361 + P353 IF ON SKIN (or hair): take off immediately all contaminated clothing. Rinse skin with water or shower. P337 + P313 If eye irritation persists, Get medical advice /attention P370 + P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P501 Dispose of contents/container in accordance with national regulations
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## 2.3 Other Hazards

N/A

## SECTION 3: Composition/Information on Ingredients

### 3.2 Mixtures

<i>Ingredient /CAS Number</i>	<i>EC Number</i>	<i>Classification</i>	<i>REACH number &amp; %</i>
<i>Ethanol CAS number 64-17-5</i>	<i>200-578-6</i>	<i>Flam. Liq. 2- H225 Eye Irrit. 2- H319</i>	<i>01-2119457610-43-XXXX 60-100%</i>
<i>Glycerol CAS number 56-81-5</i>	<i>200-289-5</i>	<i>Not Classified</i>	<i>N/A</i>

The full Text for all R-Phrases and Hazard Statements are displayed in Section 16

## SECTION 4: First Aid Measures

### 4.1 Description of First Aid Measures

General Information	Rinse immediately with plenty of water. If in doubt, get medical attention promptly. Get medical attention if any discomfort continues. Consult a physician for specific advice. Show this Safety Data Sheet to the medical personnel. First Aid personnel should wear appropriate protective equipment during any rescue. Treat symptomatically.
Inhalation	Unlikely route of exposure as the product does not contain volatile substances. If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
Ingestion	No specific recommendations
Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes and get medical attention. If in doubt, get medical attention promptly. Consult a physician for specific advice. Show this Safety Data Sheet to the medical personnel
Protection of First Aiders	First Aid Personnel should wear appropriate protective equipment during any required rescue. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.

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

General Information	Treat symptomatically. See Section 11 for additional information on health hazards.
Inhalation	Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature
Ingestion	Harmful if swallowed. May cause discomfort.
Skin Contact	No adverse effects known.
Eye Contact	Symptoms following over exposure may include the following: Profuse watering of the eyes. Irritation and redness, followed by blurred vision. Irritation of eyes and mucous membranes. Visual disturbances, including blurred vision.

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

Notes for the Doctor	Treat symptomatically.
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## SECTION 5 : Firefighting Measures

### 5.1 Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire. Extinguish with the following media: Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	None known.

## 5.2 Special hazards arising from the substance or mixture

Specific hazard Highly flammable liquid and vapor. Vapors may be ignited by a spark, a hot surface or an ember. May explode when heated or when exposed to flames or sparks. When sprayed on a naked flame or any incandescent material the aerosol vapors can be ignited. Containers can burst violently or explode when heated, due to excessive pressure build-up. Irritating gases or vapors.

Hazardous combustion products Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Nitrous gases (NO<sub>x</sub>).

## 5.3 Advice for Fire Fighters

Protective actions during Firefighting In case of fire. Evacuate area. Stop leak if safe to do so. If leakage cannot be stopped, evacuate area. Containers close to the fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to flames with water until well after the fire is out.

Special protective Equipment for Firefighters Wear positive pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Wear chemical protective suit. Use protective equipment appropriate for surrounding materials.

## SECTION 6 : Accidental Release Measures

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

Personal precaution Ensure procedures and training for emergency decontamination and disposal are in place. No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Wear protective clothing as described in Section 8 of this safety data sheet. Take care as floors and other surfaces may become slippery. Do not handle broken packages without protective equipment. Treat the spilled material according to the instructions in the clean-up section. Wash thoroughly after dealing with a spillage.

### 6.2 Environmental precautions

Environmental precautions No negative effects on the aquatic environment are known.

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

Methods for cleaning up Stop leak if safe to do so. To prevent release, place container with damaged side up. Do not touch or walk into spilled material. Take care as floors and other surfaces may become slippery. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely. Large Spillages: Contain spillage with sand, earth or other suitable non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Wash thoroughly after dealing with a spillage.

### 6.4 reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

## SECTION 7 : Handling & Storage

### 7.1 precautions for safe handling

Usage precautions

For use in industrial installations or professional treatment only. Acquisition, possession or use by the general public is restricted. Do not handle until all safety precautions have been read and understood. Wear protective clothing, gloves, eye, and face protection. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Contaminated work clothing should not be allowed out of the workplace.

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and protective equipment before entering eating areas.

## 7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Refer to the "storage and shelf life information" in the product specification for storage advice. Store in accordance with local regulations. Keep containers upright. Protect from freezing and direct sunlight. Keep away from food, drink and animal feeding stuffs.

## 7.3 specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/ Personal Protection

### 8.1 Control Parameters

Occupational Limits	No Data available
Ethanol	Long term exposure limit (8-Hour TWA); WEL 1000 ppm 1920 mg/m <sup>3</sup>
Glycerol	Long term exposure limit (8-Hour TWA); WEL 10 ppm 1920 mg/m <sup>3</sup> mist
WEL = Workplace Exposure Limit	
Ethanol (CAS:64-17-5)	
DNEL	Workers - Inhalation; Short term local effects: 1900 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 343 mg/kg Workers - Inhalation; Long term systemic effects: 950 mg/m <sup>3</sup> Consumer - Inhalation; Short term local effects: 950 mg/m <sup>3</sup> Consumer - Dermal; Long term systemic effects: 206 mg/kg Consumer - Inhalation; Long term systemic effects: 114 mg/kg Consumer - Oral; Long term systemic effects: 87 mg/kg
PNEC	Fresh water; 0.96mg/l Marine water; 0.79mg/l Sediment (Freshwater) 3.6mg/kg Soil 0.63mg/kg SSTP 580g/l
Glycerol (CAS: 5681-5)	
DNEL	Industry Inhalation; Long term local effects 56mg/m <sup>3</sup>
PNEC	Fresh water 0.885mg/l Marine Water 0.885mg/l Intermittent release 8.85mg/l STP 1000mg/l Soil 0.14mg/kg Sediment (Freshwater) 3.3 mg/kg Sediment (Marine water) 0.33mg/kg

### 8.2 Exposure controls

Protective equipment



Appropriate engineering controls Use approved respirator if air contamination is above an acceptable level. Observe any occupational exposure limits for the product or ingredients.

Personal protection the following recommendations are made based on information available for the major chemical component.

Eye/face protection Wear tight-fitting, chemical splash goggles or face shield. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Contact lenses should not be worn when working with this chemical.

Hand protection	It is recommended that chemical-resistant, impervious gloves are worn. To protect hands from chemicals, gloves should comply with European Standard EN374. When used with mixtures, the protection time of gloves cannot be accurately estimated. The breakthrough time for any glove material may be different for different glove manufacturers. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station and safety shower.
Hygiene measures	Good personal hygiene procedures should be implemented. Wash promptly if skin becomes contaminated. Remove contaminated clothing and protective equipment before entering eating areas. Change work clothing daily before leaving workplace. Contaminated work clothing should not be allowed out of the workplace. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product.
Respiratory protection	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Seek advice from supervisor on the company's respiratory protection standards.
Thermal hazards	No specific requirements are anticipated under normal conditions of use
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions

## SECTION 9 : Physical and Chemical Properties

### 9.1 Information and basic physical and chemical properties

Appearance	Gel
Colour	Colourless
Alcoholic Odour Threshold	Not available
pH	pH 5-7
Melting Point	Not available.
Initial Boiling Point & Range	>75°C
Flash Point	13°C Close cup
Evaporation Rate	Not available
Evaporation Factor	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or Explosive limits	Not available
Other flammability	Not available. Vapour
Pressure	Not available. Density not available
Relative Density	0.822@ 25°C
Bulk Density	Not available
Solubility	Not available.
Partition Coefficient	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Explosive Properties	Not available
Explosive under the influence Of a flame	Not considered to be explosive
Oxidising properties	Does not meet the criteria for classification as oxidising

**9.2 Other information**

No information required

**SECTION 10 : Stability & Reactivity****10.1 Reactivity**

Reactivity No test data specifically related to reactivity available for this product or its ingredients.  
Flammable/combustible materials.

**10.2 Chemical stability**

Stability Stable at normal ambient temperatures and when used as recommended. Contents may develop pressure upon prolonged storage. Refer to the "storage and shelf life information" in the product specification for storage advice.

**10.3 Possibility of hazardous reactions**

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur. Flammable/combustible materials.

**10.4 Conditions to avoid**

Conditions to avoid Avoid freezing. Avoid exposure to high temperatures or direct sunlight. Heating may cause a fire or explosion. Avoid heat, flames and other sources of ignition. Static electricity and formation of sparks must be prevented. Do not pressurise, cut, weld, drill, grind or otherwise expose containers to heat or sources of ignition. Avoid the accumulation of vapours in low or confined areas. Containers can burst violently or explode when heated, due to excessive pressure build up. Refer to the "Storage and Shelf Life Information" in the product specification for storage advice.

**10.5 Incompatible Materials**

Materials to Avoid No specific requirements are anticipated under normal conditions of use. Strong acids. Strong alkalis.

**10.6 Hazardous Decomposition**

Products Heating may generate the following products: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Nitrous gases (NO<sub>x</sub>). Contents may develop pressure upon prolonged storage

**SECTION 11 : Toxicological Information****11.1 Information on Toxicological effects**

Toxicological effects Information given is based on data of the components and of similar products.

Acute toxicity - oral

Notes (oral LD<sub>50</sub>) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

Respiratory sensitization

Respiratory sensitization Based on available data the classification criteria are not met.

Skin sensitization

Skin sensitization Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity in vivo Based on available data the classification criteria are not met.

## Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met

## Reproductive Toxicity

Reproductive Toxicity Fertility Based on available data the classification criteria are not met

Reproductive toxicity Development Based on available data the classification criteria are not met

Specific target organ Toxicity Single exposure

STOT single exposure Based on available data the classification criteria are not met

Specific target organ Toxicity Repeated exposure

STOT repeated exposure Based on available data the classification criteria are not met

Aspiration Hazard Not anticipated to present an aspiration hazard, based on chemical structure

## Toxicological Information on Ingredients

### Ethanol

#### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) LD<sub>50</sub> >2000 mg/kg, Oral, Rat

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit

#### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) LD<sub>50</sub> >20 mg/l, Inhalation, Vapour

#### Skin corrosion/irritation

Animal data Rabbit Not irritating.

Serious eye damage/irritation Rabbit Causes eye irritation.

Skin sensitization Guinea pig maximization test (GPMT) - Guinea pig: Not sensitizing.

Genotoxicity - in vitro : Negative.

Genotoxicity - in vivo :

IARC carcinogenicity IARC Group 1 Carcinogenic to humans. Specific target Organ

toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met. Specific target organ

toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard Not relevant.

### Polyethylene glycol

#### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) LD<sub>50</sub> 5000 mg/kg, Oral, Rat

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) LD<sub>50</sub> 20000 mg/kg, Dermal, Rabbit

## 12.1 Toxicity

Ecotoxicity	The Product is not expected to be hazardous to the environment
Toxicity	Based on available data the classification criteria are not met. Ecological.
Acute Toxicity – Fish	Acute toxicity - fish LC <sub>50</sub> , 96 hours: >10000 mg/l, Pimephales promelas (Fat-head Minnow) LC50, 24 hours: 112mg/l, Oncorhynchus mykiss (Rainbow Trout)
Acute Toxicity – Aquatic Invertebrates	EC <sub>50</sub> 24 hours: 858mg/l, Artemia Salina (Brine Shrimp) EC <sub>50</sub> 48 hours 858mg/l Daphnia Magna EC <sub>50</sub> 48 hours 5012mg/l Ceriodaphnia dubia (Water Flea)
Acute Toxicity – Aquatic Plants	EC <sub>50</sub> 472 hours 275mg/l Chlorella vulgaris EC <sub>10</sub> 72 hours 11.5mg/l Chlorella vulgaris
Acute Toxicity	EC <sub>50</sub> 4 hours 5800mg/l Paramaecium caudatum micro organisms
Polyethylene Glycol Acute aquatic toxicity	
Acute toxicity – fish	LC <sub>50</sub> , 96 hours: 15300 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity – Aquatic	EC <sub>50</sub> 48 hours >10000 mg/l, Daphnia magna
Glycerol Acute toxicity – fish	LC <sub>50</sub> , 96 hours: 54000 mg/l, Oncorhynchus mykiss (Rainbow Trout)
Acute toxicity – Aquatic Invertebrates	EC <sub>50</sub> 24 hours >10000 mg/l, Daphnia magna
Acute Toxicity – Aquatic Plants	EC <sub>50</sub> 72 hours >2900 mg/l, Freshwater Algae
Acute Toxicity – Microorganisms	EC <sub>50</sub> >2100 mg/l, Activated Sludge

## 12.2 Persistence and Degradability

Persistence & Degradability No data available

Ecological Information on Ingredients

### Ethanol

Biodegradation	Degradation 84: 20 Days. Substance readily biodegradable
Biological Oxygen Demand	100mg/g
Chemical Oxygen Demand	1900 mg/g

### Polyethylene Glycol

Biodegradation Degradation 90%: 28 days. Substance is readily biodegradable.

### Glycerol

Persistence and degradability – Substance is readily biodegradable

Biodegradation	Degradation 82%: 20 days
Biological Oxygen Demand	0.87g O <sub>2</sub> /g substance

## 12.3 Bio accumulative Potential

Partition Co-efficient	Not available
Ecological Information on Ingredients Bio accumulative Potential	BCF: 0.66 Bioaccumulation is unlikely
Partition Coefficient	log Kow: -0.3



## Polyethylene Glycol

Bio accumulative potential      Bioaccumulation is unlikely

### 12.4 Mobility in Soil

Mobility      No data available. Ecological  
Information on Ingredients  
Mobility      Soluble in water

### 12.5 Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6 Other adverse effects

Not known.

## SECTION 13 : Disposal Considerations

### 13.1 Waste Treatment Methods

#### General information

When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Waste is classified as hazardous waste. This material and its container must be disposed of as hazardous waste. The generation of waste should be minimized or avoided wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

#### Disposal methods

Waste is classified as hazardous waste. The generation of waste should be minimized or avoided wherever possible. This material and its container must be disposed of in a safe way. Collect and place in suitable waste disposal containers and seal securely. Empty containers must not be punctured or incinerated because of the risk of an explosion. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. This material and its container must be disposed of as hazardous waste.

## SECTION 14 : Transport Information

Road transport notes      This product is assigned packing group III according to ADR section 2.2.3.1.4  
Sea transport notes      This product is assigned packing group III according to IMDG section 2.3.2.2. Air Transport  
notes      This product is assigned packing group III according to IATA section 3.3.3.1.1

### 14.1 UN Number

UN No. (ADR/RID)      1993  
UN No. (IMDG)      1993  
UN No. (ICAO)      1993  
UN No. (AND)      1993

1

### 14.2 UN proper shipping name

Proper shipping name (ADR/RID) FLAMMABLE LIQUID, N.O.S. (Ethanol) Proper  
shipping name (IMDG)      FLAMMABLE LIQUID, N.O.S. (Ethanol) Proper  
shipping name (ICAO)      FLAMMABLE LIQUID, N.O.S. (Ethanol) Proper  
shipping name (ADN)      FLAMMABLE LIQUID, N.O.S. (Ethanol)

**14.3 Transport hazard classes**

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3
Transport labels	

**14.4 Packing group**

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

**14.5 Environmental hazards**

Environmentally hazardous substance/marine pollutant - No.

**14.6 Special precautions for user**

EmS	F-E, S-E ADR
Transport category	3
Emergency Action Code	•3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

**14.7 Transport in bulk according to annex II or MARPOL and the ICB Code****SECTION 15 Regulatory Information****15.1 Safety, health and environmental Regulations/Legislation specific for a substance or mixture**

National regulations	Control of Substances Hazardous to Health Regulations 2002 (as amended). EH40/2005 Workplace exposure limits. Health and Safety at Work etc. Act 1974 (as amended).
EU legislation	Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).  Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.
Guidance	Workplace Exposure Limits EH40
Restrictions (Annex XVII Regulation 1907/2006)	This product contains no substances (>0.1% w/w) of very high concern (SVHC)

Recommendation on the Definition of nanomaterial (2011/696/EU) This product does not contain nanomaterial

Pesticides (EC1107/2009) EU 528/2012) Biocidal Products Regulation (BPR) Does not contain substances regulated as biocides. Does not contain substances regulated as pesticides.

## 15.2 Chemical Safety Assessment

## SECTION 16 : Other Information

Abbreviations and Acronyms used in the Safety Data Sheet

ATE: Acute Toxicity Estimate

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

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level. GHS: Globally Harmonized System.

IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods.

UVCB - Unknown or variable composition, complex reaction products or Biological materials. Kow: Octanol-water partition coefficient.

LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.

LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bio accumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: Registration, Evaluation, Authorization and Restriction of Chemicals Regulation (EC) No 1907/2006.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. SVHC: Substances of Very High Concern.

vPvB: Very Persistent and Very Bio accumulative. IARC: International Agency for Research on Cancer.

MARPOL 73/78: International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978.

cATpE: Converted Acute Toxicity Point Estimate. BCF: Bioconcentration Factor.

BOD: Biochemical Oxygen Demand.

EC<sub>50</sub>: 50% of maximal Effective Concentration.

LOAEC: Lowest Observed Adverse Effect Concentration. LOAEL: Lowest Observed Adverse Effect Level.

NOAEC: No Observed Adverse Effect Concentration. NOAEL: No Observed Adverse Effect Level.

NOEC: No Observed Effect Concentration. LOEC: Lowest Observed Effect Concentration. UN: United Nations.

IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code)

### Classification and Abbreviations and Acronyms

Skin Irrit = Skin Irritation

Eye Irrit = Eye irritation

Revision Comments

Revision Date: 20<sup>th</sup> May 2021

Revision 1

Supersedes Date: 20<sup>th</sup> May 2020

SDS Number: 857

SDS Status Approved

Hazard Statement in Full H225 Highly Flammable Liquid and vapour.  
H319 Causes serious eye irritation

### Legal disclaimer:

The above information is believed to be correct to the best of our knowledge and belief at the date of its publication but does not purport to be all inclusive and shall be used only as a guidance for safe use, storage, handling, transportation and disposal.

Although certain hazards are detailed in this document, we cannot guarantee that these are the only hazards that exist. The information mentioned on Safety Data Sheet relates to the specific material designated and may not be valid for such material used in combination with any other material or in any process.

Material should be also handled only by those who have been fully trained in safety and chemical handling procedures. Trichem South Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.