SAFETY DATA SHEET

According to EC Regulation 1907/2006/EC

Revision No.7

Print Date 30/11/2021 **Creation Date** 15/12/2015 **Revision Date** 30/11/2021

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

1.1. Product identifier

Product name	**ALLE AQUASOL 758**
Product Code	11007758

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

Recommended use

Concentrated Water-based Rubber Deposit Remover and Surface Degreaser

1.3. Details of the supplier of the safety data sheet

RELYON PRODUCTS SDN. BHD., 56, Jalan 6/2, Bandar Rinching Seksyen 6, 43500 Semenyih. Selangor D.E. MALAYSIA.
E-mail support@relyon.com.my Website address www.relyon.com.my

1.4. Emergency telephone number

MY – 00 60 3 8727 1785 (available during Office Hours)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

Skin corrosion: Category 1B
Serious damage to eyes: Category 1
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Contains 2-AMINOETHANOL

Hazard pictograms

Signal word DANGER **Hazard Statements**

H314 - Causes skin burns and eye damage

Precautionary Statements

P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor P260 -
Do not breathe vapors.
P280 - Wear protective gloves/protective clothing/eye protection.
For industrial and institutional use only.
Keep out of reach of children.

2.3. Other hazards

Due to pH level, product is classed as corrosive.
The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Chemical Name	CAS-No.	EC No.	EU - REACH reg number	Weight-%	EU - GHS/CLP Classification	Notes
PROPYLENE GLYCOL MONOBUTYL ETHER	5131-66-8	225-878-4	01-2119475527-28	3 - < 5	Skin Irrit. 2 (H315) (H315) Eye Irrit. 2 (H319)	

SODIUM C14-17 SEC ALKYL SULFONATE	97489-15-1	307-055-2	01-2119489924-20	1 - < 3	Skin Irrit. 2 (H315) (H315) Eye Dam. 1 (H318)	
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	252-104-2	01-2119450011-60	1 - < 3	-	
ISOTRIDECANOL, ETHOXYLATED 8EO	69011-36-5		.	1 - < 3	Acute Tox. 4 (H302) Eye Dam. 1 (H318)	
2-AMINOETHANOL	141-43-5	205-483-3	01-2119486455-28	< 1	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 1B (H314) STOT SE 3 (H335)	

For any H statements mentioned in this section, see the full text in section 16.
Other balance/remainder ingredients in the formulation are deemed non-hazardous.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Do not breathe vapours or spray mist. Do not get in eyes, on skin or on clothing. Get medical attention immediately if symptoms occur.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact

Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

Ingestion

Never give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately.

Inhalation

Move to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

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

Sensitisation

No information available.

Eye contact

Corrosive. Causes burns and may lead to corneal damage and possible blindness.

Skin contact

Corrosive, Causes burns and possible deep ulcerations or scarring.

Ingestion

Ingestion may result in severe burns to the mouth, throat and digestive tract.

Inhalation

Inhalation of mists may result in severe burns to the respiratory tract.

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

Notes to physician

The product causes burns of eyes, skin and mucous membranes.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use:. Water spray. Foam. Carbon dioxide (CO2). Dry chemical.

5.2. Special hazards arising from the substance or mixture Thermal decompostion -. None known.

Material can create slippery conditions.

5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

6.2. Environmental precautions
Avoid release of neat product into surface water and sanitary sewage system.

6.3. Methods and material for containment and cleaning up
Methods for Containment
Contain spillage, soak up with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning up
Neutralize with an acid. Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Training : Due to the hazardous nature of this product, training in its use is recommended. Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities
Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s) No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits
If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level. For substances.

Chemical Name	European Union	The United Kingdom	France	Germany	Austria
DIPROPYLENE GLYCOL METHYL ETHER		STEL: 150 ppm STEL: 924 mg/m^3 TWA: 50 ppm TWA: 308 mg/m^3 Skin	TWA: 50 ppm TWA: 308 mg/m^3 Skin	AGW: 50ppm AGW: 310mg/m^3 Peak: 50ppm Peak: 310mg/m^3 TWA: 50ppm TWA: 310mg/m^3	Skin STEL: 100 ppm STEL: 614 mg/m^3 TWA: 50 ppm TWA: 307 mg/m^3
2-AMINOETHANOL	TWA: 1 ppm TWA: 2.5 mg/m^3 STEL: 3 ppm STEL: 7.6 mg/m^3 Skin	STEL: 3 ppm STEL: 7.6 mg/m^3 TWA: 1 ppm TWA: 2.5 mg/m^3 Skin	TWA: 1 ppm TWA: 2.5 mg/m^3 STEL: 3 ppm STEL: 7.6 mg/m^3 Skin	AGW: 0.2ppm AGW: 0.5mg/m^3 Peak: 0.2ppm Peak: 0.51mg/m^3 TWA: 0.2ppm TWA: 0.51mg/m^3	STEL: 3 ppm STEL: 7.6 mg/m^3 TWA: 1 ppm TWA: 2.5 mg/m^3

Chemical Name	Spain	Portugal	Italy	The Netherlands	Switzerland
DIPROPYLENE GLYCOL METHYL ETHER	Skin TWA: 50 ppm TWA: 308 mg/m^3	TWA: 50 ppm TWA: 308 mg/m^3 Skin	TWA: 50 ppm TWA: 308 mg/m^3 Skin	TWA: 300 mg/m^3	STEL: 50 ppm STEL: 300 mg/m^3 TWA: 50 ppm TWA: 300 mg/m^3
2-AMINOETHANOL	Skin STEL: 3 ppm STEL: 7.5 mg/m^3 TWA: 1 ppm TWA: 2.5 mg/m^3	STEL: 3 ppm STEL: 7.6 mg/m^3 TWA: 1 ppm TWA: 2.5 mg/m^3 Skin	TWA: 1 ppm TWA: 2.5 mg/m^3 STEL: 3 ppm STEL: 7.6 mg/m^3 Skin	Skin STEL: 7.6 mg/m^3 TWA: 2.5 mg/m^3	STEL: 4 ppm STEL: 10 mg/m^3 TWA: 2 ppm TWA: 5 mg/m^3

Chemical Name	Denmark	Finland	Norway	Sweden	Czech
DIPROPYLENE GLYCOL METHYL ETHER	TWA: 50 ppm TWA: 309 mg/m^3 Skin	TWA: 50 ppm TWA: 310 mg/m^3 Skin	TWA: 50 ppm TWA: 300 mg/m^3 Skin	50 ppm 300 mg/m^3 75 ppm 450 mg/m^3	PEL: 270mg/m^3 NPK-P: 550mg/m^3
2-AMINOETHANOL	TWA: 1 ppm TWA: 2.5 mg/m^3 Skin	TWA: 1 ppm TWA: 2.5 mg/m^3 STEL: 3 ppm STEL: 7.6 mg/m^3 Skin	TWA: 1 ppm TWA: 2.5 mg/m^3 Skin	NGV : 1 ppm 2.5 mg/m^3 KGV : 3 ppm 7.5 mg/m^3	PEL: 2.5mg/m^3 NPK-P: 7.5mg/m^3

Chemical Name	Poland	Ireland
DIPROPYLENE GLYCOL METHYL ETHER	NDSCh: 480 mg/m^3 NDS: 240 mg/m^3	TWA: 50 ppm TWA: 308 mg/m^3 STEL: 150 ppm STEL: 924 mg/m^3 Skin
2-AMINOETHANOL	NDSCh: 7.5 mg/m^3 NDS: 2.5 mg/m^3	TWA: 1 ppm TWA: 2.5 mg/m^3 STEL: 3 ppm STEL: 7.6 mg/m^3 Skin

8.2. Exposure controls

Control parametres

Provide an eyewash station. Provide washing facilities.

Engineering Measures

General ventilation is normally adequate.

Personal Protective Equipment

Use personal protection equipment as per Directive 89/686/EEC.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 143 eg P2 / P2 / P3 Particle filters.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Short term use eg occasional contact or splash protection ;. Nitrile rubber (0.4 mm). PVC (0.7mm). Long term use eg continuous wear or immersion ;. Neoprene gloves (0.4 mm). Breakthrough time of the glove material (protective index 6, breakthrough time: >480 min). For break through times, refer to glove manufacturers recommendations.

Skin Protection

Body protection must be chosen based on activity and possible exposure, e.g. footwear (solid shoes, rubber boots), rubber apron, longsleeved work clothing, impervious suit.

Eye Protection

Safety glasses with side-shields. Approved to EN 166. For large volumes, face shields should be used.

General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practise. Wash hands before before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Information below relates to typical values and does not constitute a specification.

Appearance	Amber to Brown	**Specific Gravity**	0.90 – 0.95
Physical State	Liquid	**Solubility**	Soluble in water
Odour	Slight	**Autoignition Temperature**	No information available.
pH	5-6		
Melting Point/Range	-5°C		
Boiling Point/Range	>100°C		
Flash Point	85°C (Closed Cup)		
Evaporation Rate	No information available.		
Flammability Limits in Air %	No information available.		
Vapour pressure	No information available.		
Vapor Density	No information available.		

9.2. Other information
No other information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity
Not considered as highly reactive. See further information below.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions

Viscosity	No information available
Explosive properties	No information available
Oxidizing Properties	No information available.
VOC Content (%)	6.5 %

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.

10.4. Conditions to avoid
No conditions to be specially mentioned.
10.5. Incompatible materials
Strong acids.
10.6. Hazardous decomposition products
None under normal storage conditions and use.
Thermal decompostion -. None known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Product Information
The product itself has not been tested.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
PROPYLENE GLYCOL MONOBUTYL ETHER	= 1900 mg/kg (Rat) = 5660 µL/kg Rat)	= 3100 mg/kg (Rabbit)	
DIPROPYLENE GLYCOL METHYL ETHER	= 5.35 g/kg (Rat) = 5400 µL/kg (Rat)	= 9500 mg/kg (Rabbit) = 10 mL/kg Rabbit)	
ISOTRIDECANOL, ETHOXYLATED 8EO	> 2000 mg/kg (Rat)		
2-AMINOETHANOL	= 1720 mg/kg (Rat)	= 1 mL/kg (Rabbit) = 1000 mg/kg Rabbit)	

Sensitisation
No information available.
Skin contact
Corrosive, Causes burns and possible deep ulcerations or scarring.
Inhalation
Inhalation of mists may result in severe burns to the respiratory tract.
Ingestion
Ingestion may result in severe burns to the mouth, throat and digestive tract.
Eye contact
Corrosive. Causes burns and may lead to corneal damage and possible blindness.
Chronic Toxicity
Inhaled corrosive substances can lead to a toxic oedema of the lungs.
Carcinogenicity
There are no known carcinogenic substances in this product.
Mutagenic Effects
There are no known mutagenic substances in this product.
Reproductive Effects
There are no known substances in this product with effects on reproduction.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity
Product Information
The product itself has not been tested. **Ecotoxicity effects** pH values above 10.5 may be fatal to fish and other aquatic organisms.

Chemical Name	Toxicity to Fish	Water Flea	Toxicity to Algae
DIPROPYLENE GLYCOL METHYL ETHER	LC50 > 10000 mg/L Pimephales promelas 96 h	1919: 48 h Daphnia magna mg/L LC50	
2-AMINOETHANOL	LC50 = 227 mg/L Pimephales promelas 96 h LC50 = 3684 mg/L Brachydanio rerio 96 h LC50 114 - 196 mg/L Oncorhynchus mykiss 96 h LC50 300 - 1000 mg/L Lepomis macrochirus 96 h LC50 > 200 mg/L Oncorhynchus mykiss 96 h	65: 48 h Daphnia magna mg/L EC50	EC50 = 15 mg/L Desmodesmus subspicatus 72 h

12.2. Persistence and degradability
Persistence and degradability are substance specific, no test data is available on the constituents of this mixture to degrade or persist in the environment, either through biodegradation or other processes, such as oxidation or hydrolysis. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
12.3. Bioaccumulative potential No information available.

Chemical Name	log Pow
DIPROPYLENE GLYCOL METHYL ETHER	-0.064
2-AMINOETHANOL	-1.91

12.4. Mobility in soil
Soluble in water.
12.5. Results of PBT and vPvB assessment
The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006. **12.6. Other adverse effects** No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste from Residues / Unused Products
Dispose of in accordance with local regulations.
Contaminated Packaging
Empty containers should be taken for local recycling, recovery or waste disposal. Empty remaining contents. Recycle according to official regulations.
EWC waste disposal No
The following EWC/ AVV waste codes may be applicable: 07 06
01* aqueous washing liquids and mother liquors
20 01 29* Detergents containing dangerous substances
Other Information
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

SECTION 14. TRANSPORT INFORMATION

14.1, 14.2, 14.3, 14.4.
IMDG/IMO
Not Applicable
ADR / RID
Not Applicable
/ICAO
Not Applicable

14.5. Environmental hazards
The mixture is not environmentally hazardous for transport
14.6. Special precautions for user No special precautions.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Packaged product, not typically transported in IBC's.
Additional information
The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.
This is a detergent product and complies with the Detergent Regulation (EC) No.648/2004. . .
Labelling for contents (REGULATION (EC) No 648/2004 - 907/2006):
< 5% amphoteric surfactants, < 5% non-ionic surfactants, < 5% anionic surfactants,

15.2. Chemical safety assessment
No chemical safety assessment has been carried out for this mixture by the supplier

SECTION 16. OTHER INFORMATION

Text of H statements mentioned in Section 3
H302 - Harmful if swallowed. H312 - Harmful in contact with skin. H314 - Causes severe skin burns and eye damage. H315 - Causes skin irritation. H318 - Causes serious eye damage. H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H335 - May cause respiratory irritation.
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]
On the basis of test data. H314 - Causes severe skin burns and eye damage. **Prepared By** KL **Creation Date** 15/12/2015 **Revision Date** 30/11/2020 **Revision summary**
CLP update. SDS sections updated 2 16

Abbreviations
REACH: Registration Evaluation Authorisation Restriction of Chemicals
EU: European Union
EC: European community
EEC: European Economic Community
UN: United Nations
CAS: Chemical Abstracts Service PBT:
Persistent Bioaccumulative Toxic vPvB:
very Persistent very Bioaccumulative
LC50: Lethal concentration, 50 percent
LD50 : Lethal dose, 50 percent
EC50: Effective concentration, 50 percent
LogPow: LogP octanol/water
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany) WGK: Wassergefahrdungsklasse (Water Hazard Class - Germany).
AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)
ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
RID: Reglement international concernant le transport des merchandises dangereuses par chemin der fer (Regulations concerning the International carriage of Dangerous goods by rail)
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
ERG: Emergency Response Guidebook
IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances
GHS: Globally Harmonised System of classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical
Substances VOC: Volatile Organic Chemical w/w: weight for weight
DMSO: Dimethyl sulphoxide
OECD: Organization for Economic Cooperation and Development
STEL: Short Term Exposure Limit
TWA: Time Weighted Average

Further Information
Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature literature sources e.g. IUCLID / RTECS
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

Disclaimer
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