



Created: 14 May 2021

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**SAFETY DATA SHEET**

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

## 1.1 Product identifier

- Product Name: Jolly Gel
- Product Description: Non-ionic poly-amine/poly-acrylamide gel cubes

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

- Use of the substance/mixture: Flocculant
- Use advised against: No information available

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

- Name of Supplier: Total Pool Chemicals Ltd
- Address of Supplier: Unit 1-5 , Pool Bank Business Park  
High Street, Tarvin  
Chester  
UK  
CH3 8JH
- Telephone: +44 (0)1829 740290
- Email: sales@totalpool.co.uk

## 1.4 Emergency telephone number

- +44 (0)1829 740290 (Office Hours)

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**SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

## 2.2 Label elements

Hazard pictograms: None  
Signal Word: None

## Hazard statements

None

## Precautionary statements

None

## Supplemental Hazard information (EU)

None

## 2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII
- Does not contain any substances with endocrine disrupting properties

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**SECTION 3: Composition/information on ingredients**

## 3.1 Substances

- Not applicable

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**SECTION 3: Composition/information on ingredients (....)**

## 3.2 Mixtures

Chemical Name	Conc.	CAS No.	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	SCL/ M-Factor/ ATE	REACH Registration Number	WEL/ OEL
Water, binders and fillers	≤ 50%	-	-	Not classified	-	-	No
Polydiallyldimethyl ammonium chloride	< 35%	26062-79-3	-	Not classified	-	-	No
Polyacrylamide	< 15%	9003-05-8	618-350-3	Not classified	-	-	No
Preservative	< 0.5%	-	-	-	-	-	-

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**SECTION 4: First aid measures**

Rescuers should put on approved personal protective equipment (PPE) before administering first aid

Rescuers should take suitable precautions to avoid becoming casualties themselves

## 4.1 Description of first aid measures

## Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water for several minutes  
 Irrigate eyes thoroughly whilst lifting eyelids  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.

## Contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water  
 Contaminated clothing should be laundered before reuse  
 If skin irritation occurs: Get medical advice/attention.

## Ingestion

Rinse mouth with water (do not swallow)  
 Give plenty of water to drink  
 Do NOT induce vomiting.  
 IF exposed or concerned: Get medical advice/attention.

## Inhalation

No hazard expected under normal conditions of use  
 If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

## Contact with eyes

May cause redness and irritation

## Contact with skin

May cause redness and irritation

## Ingestion

May cause gastro-intestinal irritation  
 May cause nausea/vomiting

## Inhalation

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**SECTION 4: First aid measures (....)**

No hazard expected under normal conditions of use

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

- Treat symptomatically

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

- Suitable extinguishing media: In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- Unsuitable extinguishing media: No information available

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

- Spillage causes slippery surface
- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include nitrogen and carbon oxides
- Decomposition products may include phosgene

**5.3 Advice for firefighters**

- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

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

- No action shall be taken involving any personal risk or without suitable training
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Do not touch or walk through spilt material; Avoid contact with skin and eyes; Wash thoroughly after handling.
- Personal precautions for emergency responders: Ensure adequate ventilation; Wear suitable protective clothing, eye/face protection and gloves as per Section 8; Nitrile rubber is recommended

**6.2 Environmental precautions**

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses

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

- Collect as much as possible in clean container for reuse or disposal
- Seal containers and label them
- Remove contaminated material to safe location for subsequent disposal
- Seek expert advice for removal and disposal of all contaminated materials and wastes
- Flush spill area with copious amounts of water

**6.4 Reference to other sections**

- See section(s): 7, 8 & 13

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

- Ensure adequate ventilation
- Avoid contact with skin and eyes

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**SECTION 7: Handling and storage (....)**

- Wear protective clothing as per section 8
- Do not eat, drink or smoke when using this product.
- Use good personal hygiene practices
- Wash thoroughly after handling.

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

- Keep in a cool, dry, well ventilated place
- Keep container tightly closed.
- Keep away from heat and direct sunlight.
- Keep away from food, drink and animal feedingstuffs
- Incompatible with oxidizing substances
- Incompatible with reducing agents
- Incompatible with alkalis (strong bases)

**7.3 Specific end use(s)**

- Pool / spa treatment
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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values). European Standard EN 14042 (Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents). European Standard EN 482 (Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Polydiallyldimethyl ammonium chloride

No exposure limits have been set for this substance

Polyacrylamide

No exposure limits have been set for this substance

**8.2 Exposure controls**

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
  - Engineering controls
    - Ensure adequate ventilation
    - Engineering controls are not required for normal handling
  - Respiratory protection
    - No respiratory protection is needed during normal handling
  - Eye/face protection
    - Wear safety glasses approved to standard EN 166.
  - Skin protection
    - No special clothing is required under normal conditions of use
    - Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
    - The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
    - Nitrile rubber are recommended
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## SECTION 8: Exposure controls/personal protection (....)

Glove material: Nitrile rubber  
 Thickness: 0.11 mm  
 Breakthrough time: 480 min  
 Reference: Sigma Aldrich

- Thermal hazards  
Not applicable
- Hygiene measures  
Do not eat, drink or smoke when using this product.  
Use good personal hygiene practices  
Wash thoroughly after handling.  
Eyewash bottles should be available  
Contaminated clothing should be laundered before reuse
- Environmental exposure controls  
Do not empty into drains  
Do not allow to penetrate the ground/soil.



## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Physical state: Solid, gel
- Colour: Blue
- Odour: No information available
- Melting point/freezing point: Not determined; No data available
- Boiling point or initial boiling point and boiling range: >100 °C
- Flammability: Not flammable; Does not support combustion
- Lower and upper explosion limit: Not applicable
- Flash point: Not applicable
- Auto-ignition temperature: Not determined; No data available
- Decomposition temperature: Not applicable
- pH: Not determined; No data available
- Kinematic viscosity: Not determined; No data available
- Solubility: Completely soluble in water
- Partition coefficient n-octanol/water (log value): No data available
- Vapour pressure: No data available
- Density and/or relative density: 1.0 - 1.05
- Relative vapour density: No data available
- Particle characteristics: Not applicable

### 9.2 Other information

- No information available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- No information available

### 10.2 Chemical stability

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**SECTION 10: Stability and reactivity (....)**

- Considered stable under normal conditions
- 10.3 Possibility of hazardous reactions
- No information available
- 10.4 Conditions to avoid
- Keep away from heat and direct sunlight.
- 10.5 Incompatible materials
- Incompatible with oxidizing substances
  - Incompatible with reducing agents
  - Incompatible with alkalis (strong bases)
- 10.6 Hazardous decomposition products
- Decomposition products may include nitrogen and carbon oxides
  - Decomposition products may include phosgene
- 

**SECTION 11: Toxicological information**

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

- Acute Toxicity  
Based on available data, the classification criteria are not met  
ATE mix (oral) > 5 000 mg/kg

## Substances

Chemical Name	LD <sub>50</sub> (oral, rat)	LC <sub>50</sub> (inhalation, rat)	LD <sub>50</sub> (dermal, rabbit)
Polydiallyldimethyl ammonium chloride	> 2 000 mg/kg	No data available	No data available
Polyacrylamide	> 1 000 mg/kg	No data available	No data available

- Skin corrosion/irritation  
Based on available data, the classification criteria are not met
- Serious eye damage/irritation  
Based on available data, the classification criteria are not met
- Respiratory or skin sensitisation  
Based on available data, the classification criteria are not met
- Germ cell mutagenicity  
No evidence of mutagenic effects
- Carcinogenicity  
No evidence of carcinogenic effects
- Reproductive toxicity  
No evidence of reproductive effects
- Specific target organ toxicity (STOT) - single exposure  
Based on available data, the classification criteria are not met
- Specific target organ toxicity (STOT) - repeated exposure  
Based on available data, the classification criteria are not met
- Aspiration hazard  
Based on available data, the classification criteria are not met
- Contact with eyes  
May cause redness and irritation

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**SECTION 11: Toxicological information (....)**

- Contact with skin  
May cause redness and irritation
- Ingestion  
May cause gastro-intestinal irritation  
May cause nausea/vomiting
- Inhalation  
No hazard expected under normal conditions of use

## 11.2 Information on other hazards

- Does not contain any substances with endocrine disrupting properties
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**SECTION 12: Ecological information**

## 12.1 Toxicity

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

## Substances

Chemical Name	LC <sub>50</sub> (fish)	EC <sub>50</sub> (aquatic invertebrates)	EC <sub>50</sub> (aquatic algae)
Polydiallyldimethyl ammonium chloride	No data available	No data available	No data available
Polyacrylamide	No data available	No data available	No data available

## 12.2 Persistence and degradability

- No data available

## Substances

Chemical Name	Biodegradation
Polydiallyldimethyl ammonium chloride	No data available
Polyacrylamide	No data available

## 12.3 Bioaccumulative potential

- Low bioaccumulation potential

## Substances

Chemical Name	Bioconcentration Factor (BCF)	Log K <sub>ow</sub>
Polydiallyldimethyl ammonium chloride	No data available	No data available
Polyacrylamide	No data available	No data available

## 12.4 Mobility in soil

- Soluble in water
- May absorb onto soils and sediments

## Substances

Chemical Name	Adsorption/desorption
Polydiallyldimethyl ammonium chloride	No data available
Polyacrylamide	No data available

## 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

## 12.6 Endocrine disrupting properties

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**SECTION 12: Ecological information (....)**

- No information available
- 12.7 Other adverse effects
- No information available

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**SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
- Disposal should be in accordance with local, state or national legislation
  - Do not discharge into drains or the environment, dispose to an authorised waste collection point
- 13.2 Classification
- The waste must be identified according to the List of Wastes (2000/532/EC)
  - Hazardous Property Code(s): None assigned

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**SECTION 14: Transport information**

Not classified as hazardous for transport

- 14.1 UN number or ID number
- UN No.: Not applicable
- 14.2 UN proper shipping name
- Proper Shipping Name: Not applicable
- 14.3 Transport hazard class(es)
- Hazard Class: Not applicable
- 14.4 Packing group
- Packing Group: Not applicable
- 14.5 Environmental hazards
- Not applicable
- 14.6 Special precautions for user
- No information available
- 14.7 Maritime transport in bulk according to IMO instruments
- Not applicable
- 14.8 Road/Rail (ADR/RID)
- Proper Shipping Name: Not applicable
  - ADR UN No.: Not applicable
  - ADR Hazard Class: Not applicable
  - ADR Packing Group: Not applicable
  - Tunnel Code: Not applicable
- 14.9 Sea (IMDG)
- Proper Shipping Name: Not applicable
  - IMDG UN No.: Not applicable
  - IMDG Hazard Class: Not applicable
  - IMDG Pack Group.: Not applicable
- 14.10 Air (ICAO/IATA)



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**SECTION 14: Transport information (....)**

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

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**SECTION 15: Regulatory information**

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

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 (as amended by Regulation (EU) 2020/878) and UK REACH
- The GB Classification, Labelling and Packaging Regulation (GB CLP) applies in Great Britain
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

## 15.2 Chemical safety assessment

- No information available

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**SECTION 16: Other information**

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.

Sources of data: Information from published literature and supplier safety data sheets

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- None assigned

## Acronyms

- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC<sub>50</sub>: Effective Concentration, 50%
- GHS: Globally Harmonised System
- LC<sub>50</sub>: Lethal Concentration, 50%
- LD<sub>50</sub>: Lethal Dose, 50%
- NOAEC: No observed adverse effect concentration
- NOAEL: No observed adverse effect level
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- SCL: Specific Concentration Limit
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---

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