

**Section 1 ; Identification of the substance /mixture and of the company undertaking**

**1.1 Product Identifier**

**Product Name: SYTROKLENS**

**Synonyms: Emulsifiable solvent for the dissolving of polystyrene inserts**

**1.2 Relevant identified uses of the substance or mixture & uses advised against**

Industrial / Construction uses. Dissolving of polystyrene inserts

**1.3 Details of the supplier of the safety data**

**Company Name: Adomast Manufacturing Ltd**  
**Barkston Road, Carlton Industrial Estate**  
**Barnsley**  
**S71 3HU**  
**Tel: 01226 707863**  
**Fax: 01226 718051**  
**Email: sales@adomast.co.uk**

**1.4 Emergency telephone number**

**Emergency Telephone Number : 07887 416399 (24 hours)**

**Section 2: Hazards Identification**

**2.1 Classification of the substance or mixture**

**In compliance with EC Regulation No. EC 1272/2008 and its amendments**

EUH066 Flam Liq 3 H226 – Flammable liquid & vapour  
 Asp. Tox 1 H304 – May be fatal if swallowed  
 Eye Dam 1—H318 Causes serious eye damage  
 STOT SE3: H335, H336 – May cause respiratory irritation; May causes drowsiness or dizziness  
 Aquatic Chronic 2 : H411- Toxic to aquatic life with long lasting effects

**2.2 Label Elements**

**In compliance with EC Regulation No. EC 1272/2008 and its amendments**

Contains: **HYDROCARBONS, C9 Aromatics**

**Signal Words: DANGER**



**Hazard Phrases**

H226 – Flammable liquid & vapour  
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 H411- Toxic to aquatic life with long lasting effects

**Precautionary Phrases**

P102– keep out of reach of children  
 P210-keep away from heat/sparks/open flame/ hot surfaces – No smoking  
 P260 –Do not breathe dust/fume/mist/vapours/spray  
 P271- Use in well ventilated area or outdoors  
 P273– Avoid release to the environment  
 P280-Wear protective gloves/clothing/eye protection  
 P301+P310– if SWALLOWED: Immediately call a POISON CENTER or Doctor/Physician  
 P305+P35+P358– IF IN EYE: Rinse cautiously with water for several minutes. Remove contact lenses, if present & easy to do so. Continue rinsing  
 P331-Do NOT induce vomiting  
 P403 + P233 – Store in a well ventilated place. Keep container tightly closed  
 P314 – Get medical attention if you feel unwell

Supplemental: EUH066 Repeated exposure may cause skin dryness or cracking

**2.3 Other hazards:**

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

### Section 3: Composition on ingredients

#### 3.2 Mixtures

Chemical name	EINECS	CAS	Classification –REGULATION (EC) No 1272/2008	Percent
Hydrocarbons C9 aromatics	918-668-5	64742-95-6	Flam Liq 3—H226 EUH066. STOT SE 3—H335, H336 Asp Tox 1—H 304 Aquatic Chronic 2—H411	60-100%
C9 Alcohol ethoxylate		68439-46-3	Eye Dam 1—H318	<5%

### Section 4 : First Aid measures

#### 4.1 Description of first aid measures :

**Skin contact:** Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

**Eye Contact:** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

**Ingestion:** Immediately rinse mouth and provide fresh air. DO NOT induce vomiting if swallowed chemical is dissolved in petroleum-based material. Danger of aspiration and development of chemical pneumonia. Get medical attention immediately!

**Inhalation:** Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.

**General Information:** Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Perform artificial respiration if breathing has stopped. Do not give victim anything to drink if they are unconscious.

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

**Skin contact:** Repeated exposure may cause skin drying or cracking

**Eye Contact:** May cause temporary eye irritation. Irritating and may cause redness and pain

**Ingestion:** Harmful if swallowed. The product may enter the lungs due to its low viscosity, and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours). May cause stomach pain or vomiting.

**Inhalation:** Vapours inhaled in high concentrations have a narcotic effect on the central nervous system. Irritation of nose, throat and airway.

Delayed / Immediate effects :

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

Immediate /special treatment : Treat symptomatically

### Section 5 : Fire-Fighting measures

#### 5.1 Extinguishing media

**Extinguishing media** : Extinguish with foam, carbon dioxide or dry powder. Water spray, fog or mist. Do not use water jet as an extinguisher, as this will spread the fire.

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

**Exposure hazards:** During fire, toxic gases (CO, CO<sub>2</sub>) are formed. Vapours may form explosive mixture with air at room temperature. Vapours may be ignited by a spark, a hot surface or an ember

#### 5.3 Advice for fire-fighters

**Advice for fire-fighters** : Keep up-wind to avoid fumes. If possible, fight fire from protected position. Move container from fire area if it can be done without risk. Use supplied air respirator if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control. Avoid water in straight hose stream; will scatter and spread fire.

**Protective equipment for fire-fighters** : Self contained breathing apparatus and full protective clothing must be worn in case of fire

### Section 6 : Accidental release measures

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

**Personal precautions** : Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Take precautionary measures against static discharges. Do not smoke, use open fire or other sources of ignition. Avoid inhalation of vapours and contact with skin and eyes

#### 6.2 Environmental precautions

**Environmental; precautions** : Do not discharge onto the ground or into water courses. Do not allow ANY environmental contamination. Never use water by itself on spillage; this will spread the spill and cause further contamination.

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

**Clean up procedures:** If leakage cannot be stopped, evacuate area. Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material. Do not contaminate water sources or sewer. Inform Authorities if large amounts are involved.

## Section 7 Handling and storage

### 7.1 Precautions for safe handling :

**Handling requirements:** : Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Storage tanks and other containers must be grounded. Protect electric equipment against sparking in case of risk of explosion. Wear full protective clothing for prolonged exposure and/or high concentrations. Contaminated rags and cloths must be put in fireproof containers for disposal. Do not eat, drink or smoke when using the product. Container must be kept tightly closed.

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

**Storage conditions :** Keep away from heat, sparks and open flame. Keep containers tightly closed. Flammable/combustible - Keep away from oxidisers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks.

**Suitable packaging :** Flammable liquid storage. Store in original supplied container in cool area

### 7.3 Specific end uses (s)

Specific end uses :

## Section 8 : Exposure control / personal protection

### 8.1 Control parameters

Workplace exposure limits

uk	8 hour TWA	15 min STEL
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Hydrocarbons	100ppm	125ppm
C9 aromatics		

Alcohol	NDA	NDA
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Ethoxylate

## 8.2 Exposure controls

**Process Conditions :** Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench

**Engineering measures :** Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Explosion-proof general and local exhaust ventilation.

**Respiratory protection :** If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Check that mask fits tight and change filter regularly.

**Hand protection :** Protective gloves must be used if there is a risk of direct contact or splash. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

**Eye protection :** Wear splash-proof eye goggles to prevent any possibility of eye contact. If risk of splashing, wear safety goggles or face shield

**Skin protection :** Use barrier creams to prevent skin contact. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Hygiene measures :** Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated.

Promptly remove any clothing that becomes wet or contaminated. DO NOT SMOKE IN WORK AREA!

**Protective Equipment :** Protective Goggles & Gloves must be worn when handling and using product

**Section 9.0 Physical and Chemical properties****9.1 Information on basic physical and chemical properties**

State: Liquid  
Colour: Colourless  
Odour: Aromatic Hydrocarbons  
Oxidising: NA  
Solubility in water: low  
Viscosity: 0.7-1.7 mm<sup>2</sup>/s  
Boiling point /range °C : 140-200°C  
Relative density: 0.8-0.9  
Flash Point: >35°C Flammability Limit –Lower (%) 0.7  
Flammability Limit –Upper (%) 7  
Vapour pressure <10hPa 20

**9.2 Other information**

Other information :

**Section 10.0 Stability and reactivity****10.1 Reactivity :**

Reactivity :

**10.2 Chemical stability****Chemical stability :** Stable under normal temperature conditions and recommended use.**10.3 Possibility of hazardous reactions****Possibility of hazardous reactions: No data available. Will NOT polymerise**

**10.4 Conditions to avoid**

**Conditions to avoid:** Avoid heat, flames and other sources of ignition

**10.5 Incompatible materials**

**Materials to avoid:** Strong oxidising substances.

**10.6 Hazardous decomposition products**

None at ambient temperatures. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours

**Section 11 Toxicological information****11.1 Information on toxicological effects :****Toxicity values:**

Route	species	Test	Value	Units
Acute Toxicity	Rat	Oral LD50	3492	Mg/kg
Acute Toxicity	Rabbit	Dermal LD50	>3160	Mg/kg

Not classified as a sensitizer.

Not classified carcinogenic.

No effects on fertility

No evidence of developmental toxicity.

Target Organs Central nervous system Respiratory system, lungs

Adverse Effects Vapours may cause drowsiness and dizziness. Irritating to respiratory system.

Adverse Effects No known effects based on information supplied.

Aspiration hazard The fluid can enter the lungs and cause damage (chemical pneumonitis, possibly fatal).



### Symptoms / routes of exposure

**Skin contact:** Repeated exposure may cause skin dryness or cracking

**Eye contact :** Irritation of eyes and mucous membranes.

**Ingestion :** Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

**Inhalation :** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

**Health Warnings**

Prolonged or repeated contact leads to drying of skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Route of entry**—Ingestion. Inhalation.

**Target Organs**—Brain Respiratory system, lungs Mucous membranes

**General information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems

**Medical Symptoms**

Skin irritation. Irritation of eyes and mucous membranes. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

**Medical Considerations**

Skin disorders and allergies. Convulsive disorders, CNS problems. Risk of chemical pneumonia after aspiration.

**Specific effects :**

Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer. Prolonged or frequent inhalation of vapours in high concentrations may cause permanent damage to the nervous system, including the brain.

### Section 12 Ecological information

#### 12.1 Toxicity:

**Eco toxicity values :**

Species	Test	Value	Units
Algae	EC50 72 hours	2.9	Mg/l
Daphnia magna	EC50 48 hours	3.2	Mg/l
Fish	LC50 96 hours	9.2	Mg/l

#### 12.2 Persistence and degradability

**Persistence and degradability : Readily Biodegradable**

### 12.3 Bioaccumulative potential

**Bioaccumulative potential:** Substance is a UVCB. Standard tests for this endpoint are not appropriate.

Partition Coefficient: Not applicable

### 12.4 Mobility in soil

**Mobility :** Substance is a UVCB. Standard tests for this endpoint are not applicable

### 12.5 Results of PBT and vPvB assessment

**PBT identification :** This product is not identified as a PVT/vPvB substance by current EU criteria

**Section 13 Disposal considerations :** Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority

### 13.1 Waste treatment methods

**Disposal Operations:** Dispose of waste and residues in accordance with local authority requirements.

Do not allow run off to sewer, waterway or ground.

**Waste Class:** Hazardous Waste EWC NUMBER: Allocation of a waste code number in accordance with the European Waste Catalogue, should be carried out in agreement with an EA authorised waste disposal company.

**Disposal of packaging :** Use an Authorised disposal company

NB: the users attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14 Transport information**

**14.1 UN number:**

**Un Number: 1268**

**14.2 UN proper shipping name**

Shipping name : PETROLEUM DISTILLATES N.O.S.

**14.3 Transport Hazard Class**

**Transport class: 3**

Class 3 : Flammable liquids

ADR label No. 3

**14.4 Packing Group**

**Packing group : III**

**14.5 Environmental hazards**

**Environmentally hazardous :** Environmentally Hazardous Substance/Marine Pollutant

**Marine pollutant : Yes**

**14.6 Special precautions for user**

**Tunnel code: (D/E)**

EMS	F-E, S-E
Emergency Action Code	3Y
Hazard No. (ADR)	30
Hazard No. (ADR)	30 Flammable liquid (flash-point between 23°C and 60°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 60°C, heated to a temperature equal to or above its flash-point, or self heating liquid.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**

## Section 15 Regulatory information

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

**Specific regulations:** Workplace Exposure Limits EH40. UK Regulatory References: Chemicals (Hazard Information & Packaging) Regulations.

### 15.2 Chemical Safety Assessment

Chemical safety assessment : Chemical safety assessment has not been carried out

## Section 16 Other information

### 16.1 Other information :

#### General information

Since empty containers retain product residue, follow label warnings, even after container is emptied. For further Health and Safety information contact: Health and Safety Officer. Residual vapours may explode on ignition, do not cut, drill, grind or weld on or near this container.

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Supplemental: EUH066 Repeated exposure may cause skin dryness or cracking

Legal disclaimer : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.