



**SAFETY DATA SHEET**  
ALCOHOLS C9-11, ETHOXYLATED

Page: 1  
Compilation date: 13/05/2015  
Revision No: 1

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

**1.1. Product identifier**

**Product name:** ALCOHOLS C9-11, ETHOXYLATED  
**CAS number:** 68439-46-3  
**Product code:** GPC5569  
**Synonyms:** NEODOL 91-6

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

**Use of substance / mixture:** Manufacture of substances. Laboratory chemicals. Use in detergent manufacture.

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

**Company name:** Atom Scientific Ltd  
Unit 2B East Tame Business Park  
Rexcine Way  
Hyde  
Cheshire  
SK14 4GX  
United Kingdom  
**Tel:** +44 161 366 5123  
**Fax:** +44 170 433 7167  
**Email:** technical@atomscientific.com

**1.4. Emergency telephone number**

**Emergency tel:** +44 161 366 5123  
(office hours only)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Acute Tox. 4: H302; Eye Dam. 1: H318

**Most important adverse effects:** Harmful if swallowed. Causes serious eye damage.

**2.2. Label elements**

**Label elements under CLP:**

**Hazard statements:** H302: Harmful if swallowed.  
H318: Causes serious eye damage.

**Signal words:** Danger

**Hazard pictograms:** GHS07: Exclamation mark  
GHS05: Corrosion



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**SAFETY DATA SHEET**  
ALCOHOLS C9-11, ETHOXYLATED

Page: 2

**Precautionary statements:** P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: 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.  
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
P501: Dispose of contents/container to appropriate waste site or reclaimer in accordance with local and national regulations.

### 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

## 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:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice.

**Ingestion:** Do not induce vomiting. Transfer to hospital as soon as possible. If vomiting occurs, keep head low so that stomach content doesn't get into lungs.

**Inhalation:** No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

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

**Skin contact:** Causes mild skin irritation. Repeated exposure may cause skin dryness or cracking.

**Eye contact:** Causes serious eye irritation

**Ingestion:** There may be soreness and redness of the mouth and throat. There may be vomiting. Nausea and stomach pain may occur.

**Inhalation:** Not expected to be a respiratory irritant. Not expected to be a sensitiser.

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

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Water spray. Alcohol resistant foam. Dry chemical powder. Carbon dioxide. Sand

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**SAFETY DATA SHEET**  
ALCOHOLS C9-11, ETHOXYLATED

Page: 3

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

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Use water spray to cool unopened containers.  
Do not use water jet.

**Section 6: Accidental release measures**

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

**Personal precautions:** Use personal protective equipment. Avoid inhalation of vapours and contact with skin and eyes. Immediately remove all contaminated clothing. For personal protection see section 8.

**6.2. Environmental precautions**

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Discharge into environment must be avoided. Do not let product enter drains.

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

**Clean-up procedures:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Do not flush with water. Dike far ahead of larger spills for later disposal. Do not contaminate water sources or sewer. Flush area with water.

**6.4. Reference to other sections**

**Reference to other sections:** For waste disposal, see section 13.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Ensure there is sufficient ventilation of the area. Wash thoroughly after handling. For precautions see section 2.2.

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

**Storage conditions:** Bulk storage tanks should be diked (bunded). Keep away from flammables, oxidising agents and corrosives. Vapours from tanks should not be released into the atmosphere. Breathing losses during storage should be controlled by a suitable vapour treatment system. Nitrogen blanket recommended for large tanks (capacity 100 m<sup>3</sup> or higher). Storage temperature: 50°C maximum. Insulation (lagging) will minimise heat loss in areas of low ambient temperature. Tanks should be fitted with heating coils in areas where ambient conditions can result in handling temperatures below the freezing point/pour point of the product.

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**SAFETY DATA SHEET**  
ALCOHOLS C9-11, ETHOXYLATED

Page: 4

**7.3. Specific end use(s)**

**Specific end use(s):** No other specific uses stipulated other than the uses mentioned in section 1.2.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**8.1. DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Handle in accordance with good industrial hygiene and safety practise. Wash hands before breaks and at the end of the workday.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** Handle with gloves. 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. Dispose of contaminated gloves after use in accordance with application laws and good laboratory practises. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Eye protection:** Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Environmental:** Where material is heated. sprayed or mist is formed, there is a greater potential for airborne concentrations to be generated.

**Section 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**State:** Slightly viscous liquid

**Colour:** Colourless

**Odour:** Mild

**Solubility in water:** Soluble

**Viscosity:** 23.0 cSt at 37.8C

**Boiling point/range °C:** > 232.2

**Flash point °C:** 142.8

**Vapour pressure:** < 0.1 hPa at 37.8C

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**SAFETY DATA SHEET**  
ALCOHOLS C9-11, ETHOXYLATED

Page: 5

**Relative density:** 0.984

**pH:** 6.8

**9.2. Other information**

**Other information:** Vapour density - 15.0 (Air = 1.0)

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under recommended storage conditions. Oxidises on contact with air. Stable up to 50C.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** None under normal processing.

**10.4. Conditions to avoid**

**Conditions to avoid:** Temperatures above 50C.

**10.5. Incompatible materials**

**Materials to avoid:** Copper. Copper alloys. Aluminium. Strong oxidising agents.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** No data available.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicity values:** No data available.

**Symptoms / routes of exposure**

**Skin contact:** Causes mild skin irritation. Repeated exposure may cause skin dryness or cracking.

**Eye contact:** Causes serious eye irritation

**Ingestion:** There may be soreness and redness of the mouth and throat. There may be vomiting.  
Nausea and stomach pain may occur.

**Inhalation:** Not expected to be a respiratory irritant. Not expected to be a sensitiser.

**Other information:** Expected to have low toxicity on repeated exposure.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

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**SAFETY DATA SHEET**  
ALCOHOLS C9-11, ETHOXYLATED

Page: 6

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** Bioaccumulation is unlikely to occur due to metabolism and excretion.

**12.4. Mobility in soil**

**Mobility:** If product enters soil, one or more constituents will be mobile and may contaminate groundwater. Dissolves 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**

**Other adverse effects:** No data available.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company. Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose in a safe manner in accordance with local/national regulations. Discharge into the environment must be avoided.

**Disposal of packaging:** Dispose of as unused product.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

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

**Specific regulations:** This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** For this product a chemical safety assessment was not carried out.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:** H302: Harmful if swallowed.

H318: Causes serious eye damage.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive

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## **SAFETY DATA SHEET**

ALCOHOLS C9-11, ETHOXYLATED

**Page:** 7

and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.