

# SAFETY DATA SHEET according to regulation (EC) No.1907/2006

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

### 1.1. Product Identifier

Product code: E3L529

Name: Grease Release Plus

### 1.2. Product Uses

Emulsifying solvent for degreasing and dewaxing. Formulated to deal with oil, grease, wax and other residues in the motor and engineering industries.

### 1.3. Supplier

Quadralene Ltd  
Bateman Street  
Derby  
DE23 8JL

Phone: 01332 292500

Web: [www.quadralene.co.uk](http://www.quadralene.co.uk)

Fax: 01332 295941

Email: [info@quadralene.co.uk](mailto:info@quadralene.co.uk)

### 1.4. Emergency telephone number

Emergency telephone number: 01332 292402

## SECTION 2: Hazards identification (Undiluted product)

### 2.1. Classification of the mixture

According to 1272/2008

Health Hazards: Asp. Tox. 1, Eye Dam. 1

Physical Hazards: Not Classified

Environmental Hazards: Not Classified

### 2.2. Label elements

According to 1272/2008

Danger



H318 Causes serious eye damage

H304 May be fatal if swallowed and enters airways

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.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

### 2.3. Other hazards

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

<b>Material</b>	<b>CAS number</b>	<b>Level</b>	<b>Hazards (see section 16)</b>	
Hydrocarbon solvent	64742-47-8	70-100%	Asp. Tox. 1	H304
Anionic surfactant	26264-05-1	1-5%	Acute Tox. 4, Eye Dam. 1, Skin Irrit. 2	H318 H302 H315

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

- Eye contact: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.
- Skin contact: Remove contaminated clothing, wash skin with soap and water. Seek medical attention if irritation persists.
- Inhalation: In case of overexposure, remove to fresh air, keep warm and at rest, seek medical assistance immediately.
- Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

First aider PPE: As required to prevent contact. See section 8.2.

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

- Eye hazard: Will cause severedamage.
- Skin hazard: Prolonged or repeated contact may cause irritation/dryness.
- Respiratory hazard: Moderate toxicity. Main danger is of lung damage by aspiration.
- Other hazards:

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

No special treatment or attention required additional to section 4.2.

### **SECTION 5: Fire fighting measures**

Flammability hazard: Not combustible.

#### **5.1. Extinguishing media**

Use foam, dry powder or carbon dioxide.

#### **5.2. Special hazards arising from the mixture**

No specific hazards arising from the mixture. May produce toxic fumes under extreme heating in fire.

#### **5.3. Advice for firefighters**

No special measures arising from the mixture.

### **SECTION 6: Accidental release measures**

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

Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8  
Spillage may make floors slippery. Keep the area clear. Observe regulations.

#### **6.2. Environmental precautions**

Prevent spills from entering water courses.

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

Absorb using sand or other inert material and transfer to suitable containers for disposal.

#### **6.4. Reference to other sections**

Observe the advice given in sections 8 and 13

## **SECTION 7: Handling and storage**

Shelf life: 24 months in original sealed containers.

### **7.1. Precautions for safe handling**

Do not mix with other products. Observe good industrial hygiene.

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

Store in a cool, dry place protected from frost and away from acids, strong oxidising agents and sources of ignition. Store upright in original containers.

### **7.3. Product Uses**

Use as supplied by brush or low pressure spray. Rinse off with water. Can be used by immersion with or without ultrasonic agitation, followed by water rinsing. For thick oil and grease on concrete floors, brush in, allow to soak and hose off. Do not apply to hot surfaces. Keep away from sources of ignition. Please refer to product safety data sheet before use. Use only as directed.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

Workplace exposure limits

Hydrocarbon solvent 600mg/m<sup>3</sup> WEL 8 hour TWA (Recommended)

### **8.2. Exposure controls**

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection: Wear eye protection appropriate to the process according to BS EN 166.  
Hand protection: Wear nitrile or neoprene gloves. Exact choice of glove depends on specific risk assessments.  
Body protection: As necessary to prevent contact.  
Respiratory protection: Use in a well ventilated area. Avoid breathing vapour or spray. Wear a respirator if necessary.  
Other protection:

Personal protective equipment:



Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: Prevent mixture from entering water courses.

## **SECTION 9: Physical and chemical properties**

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

Appearance: Red/brown liquid

Odour: Characteristic, solvent

pH (typical): 7 1% in water (typical).

Initial boiling point: 145°C.

Flash point: >55°C typical.

Auto-ignition temp: >200°C.

Viscosity: Free flowing.

Explosive properties: Not applicable.

Oxidising properties: Not applicable.

Vapour pressure: 5mb at 38°C

Solubility: Emulsifies in water

Relative density at 20° C (typical): 0.822

### **9.2. Other information**

## **SECTION 10: Stability and reactivity**

- 10.1. Reactivity** Incompatible with strong oxidising agents and acids.
- 10.2. Chemical stability** Stable under recommended storage conditions.
- 10.3. Possibility of hazardous reactions** No hazardous reactions are expected to occur.
- 10.4. Conditions to avoid** Extremes of temperature.
- 10.5. Incompatible materials** Incompatible with strong oxidising agents and acids.
- 10.6. Hazardous decomposition products** May produce toxic fumes in fire.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

- Acute toxicity: Does not contain any ingredients classified as acutely toxic.
- Skin corrosion/ irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/ irritation: Mixture is classified as Eye Dam. 1. See section 2.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Does not contain any ingredients classified as toxic for reproduction.
- STOT single exposure: Does not contain any ingredients classified as STOT SE.
- STOT repeated exposure: Does not contain any ingredients classified as STOT RE.
- Aspiration toxicity: Mixture is classified as Asp Tox. 1. See section 2.

### **Routes of exposure/ symptoms**

- Eye contact: Will cause severe damage.
- Skin contact: Prolonged or repeated contact may cause irritation/dryness.
- Inhalation: Excessive exposure may cause irritation of the respiratory tract, headache, dizziness and nausea.
- Ingestion: Moderate toxicity, will cause irritation to gastro-intestinal tract.

## **SECTION 12: Ecological information**

- 12.1. Toxicity** May affect aquatic organisms due to hydrocarbon content if released into water courses untreated.
- 12.2. Persistence and degradability** All organic ingredients are biodegradable when well diluted. Surfactants used comply with biodegradation criteria, see section 15.1.
- 12.3. Bioaccumulative potential** Not expected to bioaccumulate
- 12.4. Mobility in soil** This product has high water solubility
- 12.5. Results of PBT and vPvB assessment** Contains no ingredients classified as PBT or vPvB.
- 12.6. Other adverse effects** No other adverse effects are anticipated.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Dispose of surplus product and packaging via a licenced chemical waste contractor.

## **SECTION 14: Transport information**

- 14.1. UN number** Not classified      **14.2. UN proper shipping name** N/a
- 14.3. Transport hazard class(es)** N/a      **14.4. Packing group** Na
- 14.5. Environmental hazards** Not classified as environmentally hazardous for transport
- 14.6. Special precautions for user** No specific precautions.
- 14.7. Transport in bulk according to Annex II of MARPOL 7 3/78 and the IBC Code** Not available for bulk transport.

## **SECTION 15: Regulatory information**

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

Contents according to (EC) regulation No.648/2004 on detergents:

Aliphatic hydrocarbons	>30%
Anionic surfactants	<5%

The surfactant(s) contained in this preparation comply with the biodegradability criteria 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.

**15.2. Chemical safety assessment**      A chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

Hazard statements relating to ingredients (see section 3)

H304 May be fatal if swallowed and enters airways

H318 Causes serious eye damage

H302 Harmful if swallowed

H315 Causes skin irritation

Date of issue: 14 May 2015

Issue number: 2

Date of printing: 15 May 2015

This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.

