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: E3LTS
   Name: Solve Safe

1.2. Product Uses
   This product is effective in removing oil, grease and particulate soils from a wide variety of substrates. Solve Safe is ideal for use on isolated electrical equipment, ferrous and non-ferrous metals, most plastics and painted surfaces. Test painted surfaces, rubbers and plastics for compatibility before use.

1.3. Supplier
   Quadralene Ltd
   Bateman Street
   Derby
   DE23 8JL
   Phone: 01332 292500
   Web: www.quadralene.co.uk
   Fax: 01332 295941
   Email: 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
   Physical Hazards: Flam. Liq. 3
   Environmental Hazards: Aquatic Chronic 4

2.2. Label elements
   According to 1272/2008
   Danger
   H304 May be fatal if swallowed and enters airways
   H413 May cause long lasting harmful effects to aquatic life
   H226 Flammable liquid and vapour
   P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
   P233 Keep container tightly closed.
   P240 Ground/bond container and receiving equipment.     P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
   P242 Use only non-sparking tools.     P243 Take precautionary measures against static discharge.
   P273 Avoid release to the environment.
   P280 Wear protective gloves/protective clothing/eye protection/face protection.
   P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
   P403 + P235 Store in a well-ventilated place. Keep cool.
   P405 Store locked up.

2.3. Other hazards

E3LTS
SECTION 3: Composition/ information on ingredients

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS number</th>
<th>Level</th>
<th>Hazards (see section 16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbon C11-C12, Isoalkanes, &lt;2% aromatics</td>
<td>Mixture</td>
<td>H413</td>
<td>Aquatic Chronic 4, Asp. Tox. 1, Flam. Liq. 3</td>
</tr>
</tbody>
</table>

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. 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 discomfort.

Skin hazard: Prolonged or repeated contact may cause irritation/dryness.

Respiratory hazard: Excessive exposure may cause irritation of the respiratory tract, headache, dizziness and nausea.

Other hazards:

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

SECTION 5: Fire fighting measures

Flammability hazard: Flammable.

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

Exclude sources of ignition, provide ventilation. 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

Exclude sources of ignition, provide ventilation.

Spillage will make floors slippery.

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

7.1. Precautions for safe handling
Do not mix with other products. Observe good industrial hygiene. Keep away from sources of ignition. Provide ventilation.

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. Recommended storage temperature 5-25°C.

7.3. Product Uses
Solve Safe may be applied by brush, low pressure spray or immersion. Dip tanks may be ultrasonically agitated. Cleaned components should be allowed to drain well to minimise drying time. Test painted surfaces, rubbers and plastics for compatibility before use. 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 | 1000 mg/m³ | OES 8 hour TWA (UK EH40) |

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: Colourless liquid
Odour: Mild, characteristic solvent.
Ph (typical): Not applicable.
Initial boiling point: 175°C.
Auto-ignition temp: >200°C.
Explosive properties: Not applicable.
Oxidising properties: Not applicable.
Vapour pressure: 0.5kPa at 38°C.
Solubility: Immiscible with water.
Relative density at 20° C (typical): 0.763

Flash point: 56°C minimum.
Viscosity: Free flowing.

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: Does not contain any ingredients classified as skin corrosive/ skin irritant.

Serious eye damage/ irritation: Does not contain any ingredients classified as eye corrosive/ eye irritant.

Respiratory or skin sensitisation: Does not contain any ingredients classified as sensitising.

Germ cell mutagenicity: Does not contain any ingredients classified as mutagenic.

Carcinogenicity: Does not contain any ingredients classified as carcinogenic.

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 discomfort.

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. Main danger is of lung damage by aspiration.

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  Classified as dangerous for the environment/ aquatic toxicant, do not allow to enter water courses.

12.3. Bioaccumulative potential  Not expected to bioaccumulate

12.4. Mobility in soil  This product has no 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


Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

SECTION 14: Transport information

14.1. UN number  1268

14.2. UN proper shipping name  Petroleum distillates, N.O.S.

14.3. Transport hazard class(es)  3

14.4. Packing group  3

14.5. Environmental hazards  Not classified as environmentally hazardous for transport

14.6. Special precautions for user  No specific precautions.


E3LTS
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:

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
H413 May cause long lasting harmful effects to aquatic life
H226 Flammable liquid and vapour