

## SAFETY DATA SHEET LYRECO REPOSITIONAL ADHESIVE SPRAY 400ML

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

**Product name** LYRECO REPOSITIONAL ADHESIVE SPRAY 400ML  
**Product No.** 3.047.832, ZP  
**Internal Id** ARMS400LYR\_EU; ARMS400LYR\_EE; ARMS400LYR\_FE

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

**Identified uses** Adhesive.  
**Uses advised against** At this moment in time we do not have information on use restrictions. They will be included in this safety data sheet when available

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

**Supplier** LYRECO  
Rue du 19 mars 1962, F-59770  
MARLY  
FRANCE  
+33 (0) 3 27 23 64 00  
msds@lyreco.com

#### 1.4. Emergency telephone number

+33 (0) 3 27 23 64 00 This number is serviced during office hours only

### SECTION 2: HAZARDS IDENTIFICATION

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

**Classification (1999/45/EEC)** F+;R12. N;R51/53. R67.

#### 2.2. Label elements

##### Labelling



Extremely flammable



Dangerous for the environment

##### Risk Phrases

|        |   |
|--------|---|
| R12    | Extremely flammable.  |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R67    | Vapours may cause drowsiness and dizziness.   |

##### Safety Phrases

|     |   |
|-----|---|
| A1  | Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. |
| A2  | Do not spray on a naked flame or any incandescent material.   |
| S2  | Keep out of the reach of children.  |
| S16 | Keep away from sources of ignition - No smoking.  |
| S23 | Do not breathe vapour/spray.  |
| S51 | Use only in well-ventilated areas.  |

#### 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

## LYRECO REPOSITIONAL ADHESIVE SPRAY 400ML

|  |   |               |
|--|---|---------------|
| <b>BUTANE</b>  |   | <b>30-60%</b> |
| <b>CAS-No.:</b> 106-97-8   | <b>EC No.:</b> 203-448-7  |               |
| Classification (EC 1272/2008)<br>Flam. Gas 1 - H220  | Classification (67/548/EEC)<br>F+;R12                                       |               |
| <b>HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6))</b>   |   | <b>10-30%</b> |
| <b>CAS-No.:</b> -  | <b>EC No.:</b> -  |               |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>Skin Irrit. 2 - H315<br>STOT SE 3 - H336<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411                           | Classification (67/548/EEC)<br>F;R11<br>Xn;R65<br>Xi;R38<br>R67<br>N;R51/53 |               |
| <b>Methylal</b>  |   | <b>10-30%</b> |
| <b>CAS-No.:</b> 109-87-5   | <b>EC No.:</b>  |               |
| Classification (EC 1272/2008)<br>Not classified.   | Classification (67/548/EEC)<br>Xi;R36/38.                                   |               |
| <b>CYCLOHEXANE</b>   |   | <b>5-10%</b>  |
| <b>CAS-No.:</b> 110-82-7   | <b>EC No.:</b> 203-806-2  |               |
| Classification (EC 1272/2008)<br>Flam. Liq. 2 - H225<br>Skin Irrit. 2 - H315<br>STOT SE 3 - H336<br>Asp. Tox. 1 - H304<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410 | Classification (67/548/EEC)<br>F;R11<br>Xn;R65<br>Xi;R38<br>R67<br>N;R50/53 |               |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### Composition Comments

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### Inhalation

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

##### Ingestion

Rinse mouth thoroughly. Provide rest, warmth and fresh air.

##### Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

##### Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

## LYRECO REPOSITIONAL ADHESIVE SPRAY 400ML

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

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

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

#### Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

#### 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

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

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

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

### 6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well. Collect and dispose of spillage as indicated in section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.

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

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

#### Storage Class

Flammable compressed gas storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

## LYRECO REPOSITIONAL ADHESIVE SPRAY 400ML

| Name        | STD | TWA - 8 Hrs |                        | STEL - 15 Min |                        | Notes |
|-------------|-----|-------------|------------------------|---------------|------------------------|-------|
|             |     |             |                        |               |                        |       |
| BUTANE      | WEL | 600 ppm     | 1450 mg/m <sup>3</sup> | 750 ppm       | 1810 mg/m <sup>3</sup> |       |
| CYCLOHEXANE | WEL | 100 ppm     | 350 mg/m <sup>3</sup>  | 300 ppm       | 1050 mg/m <sup>3</sup> |       |

WEL = Workplace Exposure Limit.

**Ingredient Comments**

WEL = Workplace Exposure Limits

**8.2. Exposure controls****Protective equipment****Process conditions**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

**Engineering measures**

All handling to take place in well-ventilated area. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**Respiratory equipment**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3). EN14387

**Hand protection**

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Gloves of nitrile rubber, PVA or Viton are recommended. Gloves should conform to EN374

**Eye protection**

Use eye protection. EN166

**Other Protection**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|                                |                      |
|--------------------------------|----------------------|
| Appearance                     | Aerosol. Liquid      |
| Colour                         | Colourless.          |
| Odour                          | Solvent.             |
| Solubility                     | Insoluble in water   |
| Flash point (°C)               | -40 CC (Closed cup). |
| Auto Ignition Temperature (°C) | >250                 |
| Flammability Limit - Lower(%)  | 0.8                  |
| Flammability Limit - Upper(%)  | 13                   |

**9.2. Other information**

|                        |          |
|------------------------|----------|
| Volatility Description | Volatile |
|------------------------|----------|

## SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

## LYRECO REPOSITIONAL ADHESIVE SPRAY 400ML

Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Not available.

#### **Hazardous Polymerisation**

Will not polymerise.

### **10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

### **10.5. Incompatible materials**

#### **Materials To Avoid**

Flammable/combustible material. Strong oxidising substances.

### **10.6. Hazardous decomposition products**

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

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

#### **Other Health Effects**

This substance has no evidence of carcinogenic properties.

#### **Inhalation**

Harmful by inhalation. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.

#### **Skin contact**

Harmful in contact with skin. Irritating to skin. May cause allergic contact eczema. Product has a defatting effect on skin. Prolonged contact may cause dryness of the skin.

#### **Eye contact**

Irritating to eyes.

#### **Route of entry**

Inhalation.

## SECTION 12: ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Dangerous for the environment if discharged into watercourses.

### **12.1. Toxicity**

#### **Acute Toxicity - Fish**

Not available.

#### **Acute Toxicity - Aquatic Invertebrates**

Not available.

#### **Acute Toxicity - Aquatic Plants**

Not available.

### **12.2. Persistence and degradability**

#### **Degradability**

No data available.

### **12.3. Bioaccumulative potential**

#### **Bioaccumulative potential**

No data available on bioaccumulation.

### **12.4. Mobility in soil**

**LYRECO REPOSITIONAL ADHESIVE SPRAY 400ML****12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects**

Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS****General information**

Do not puncture or incinerate even when empty. 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**

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION****General**

This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1litre packed in cartons of less than 30kg gross to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed must show the following

**14.1. UN number**

|                      |      |
|----------------------|------|
| UN No. (ADR/RID/ADN) | 1950 |
| UN No. (IMDG)        | 1950 |
| UN No. (ICAO)        | 1950 |

**14.2. UN proper shipping name**

Proper Shipping Name                      AEROSOLS

**14.3. Transport hazard class(es)**

|                     |                |
|---------------------|----------------|
| ADR/RID/ADN Class   | 2.1            |
| ADR/RID/ADN Class   | Class 2: Gases |
| ADR Label No.       | 2.1            |
| IMDG Class          | 2.1            |
| ICAO Class/Division | 2.1            |

**Transport Labels****14.4. Packing group**

Not applicable.

**14.5. Environmental hazards****14.6. Special precautions for user**

|                         |          |
|-------------------------|----------|
| EMS                     | F-D, S-U |
| Tunnel Restriction Code | (D)      |

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

**LYRECO REPOSITIONAL ADHESIVE SPRAY 400ML**

No information required.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Environmental Listing**

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980. Control of Pollution Act 1974.

**Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

**Guidance Notes**

Workplace Exposure Limits EH40.

**EU Legislation**

System of specific information relating to Dangerous Preparations. 2001/58/EC.

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**Authorisations (Title VII Regulation 1907/2006)**

No specific authorisations are noted for this product.

**Restrictions (Title VIII Regulation 1907/2006)**

No specific restrictions of use are noted for this product.

**15.2. Chemical Safety Assessment****SECTION 16: OTHER INFORMATION****Revision Comments**

Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

|                      |                |
|----------------------|----------------|
| <b>Issued By</b>     | Helen O'Reilly |
| <b>Revision Date</b> | FEBRUARY 2014  |
| <b>Revision</b>      | 0              |

**Risk Phrases In Full**

|        |  |
|--------|--|
| R12    | Extremely flammable.   |
| R65    | Harmful: may cause lung damage if swallowed.   |
| R11    | Highly flammable   |
| R36/38 | Irritating to eyes and skin.   |
| R38    | Irritating to skin.  |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.      |
| R67    | Vapours may cause drowsiness and dizziness.  |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

## LYRECO REPOSITIONAL ADHESIVE SPRAY 400ML

### Hazard Statements In Full

|      |   |
|------|---|
| H220 | Extremely flammable gas.                              |
| H222 | Extremely flammable aerosol.                          |
| H225 | Highly flammable liquid and vapour.                   |
| H304 | May be fatal if swallowed and enters airways.         |
| H315 | Causes skin irritation.                               |
| H336 | May cause drowsiness or dizziness.                    |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects.      |

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.