

	<b>MATERIAL SAFETY DATA SHEET</b> according to EC (VO) 1907/2006 (REACH) annex II	Page 1 of 5	
	<b>LYRECO 30G UNIVERSAL GLUE</b> <b>SAP 1.492.459</b>	Actual revision:	NOVEMBER 2011

## 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade Name: LYRECO 30G UNIVERSAL GLUE SAP 1..492.459  
Use of the product: CONNECTING / ADHERING  
Manufacturer/Supplier: LYRECO  
Address: RUE DU MARS 1962, 59770 MARLY, FRANCE  
Phone: +33 (0) 3 27 23 64 00  
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## 2. HAZARDS IDENTIFICATION

Classification: No hazard classification according to EU directives 67/548/EEC, 1999/45/EC and national legal regulations.  
Physicochemical hazards: Non inflammable solid, product may burn on heating.  
Human and environmental hazards:  
Inhalation: Material cannot be inhaled.  
Ingestion: Not toxic.  
Skin contact: Not irritating.  
Eye contact: May cause slight irritations.  
Carcinogenicity: IARC: not covered, NTP: not covered, OSHA: not covered.  
Other hazards: Not known.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Product description: Liquid aqueous mixture of organic compounds.  
For the wording of the listed risk phrases refer to section 16.

Ingredients	EC #	CAS #	REACH regist.#	C & L	Wt%
Poly(vinyl alcohol)	no	9002-89-5	no obligation to register	no classification	13.5%
Monohydro chloride of polymer of N, N"-1, 6-hexanedylbis and hexamethylenediamine	no	27083-27-8	no obligation to register	no classification	0.1 %
Water	231-791-2	7732-18-5	no obligation to register	no classification	86.4%

## 4. FIRST AID MEASURE

General advice: Remove contaminated clothes. On danger of unconsciousness place victim stable in side position for transportation. On complaints and symptoms take care of medical treatment.  
On inhalation: None required, material not respirable  
On skin contact: None required  
On eye contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Medical aid on complains.  
On ingestion: Wash mouth out with water and let drink 1 to 2 glasses of water. Medical aid on complains.  
Medical advice: Not toxic. On complains treat symptomatically and supportively.

## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Carbon dioxide, water spray, foam and powder.
Unsuitable extinguishing media:	Water jet.
Specific hazards by product, combustion products or gases:	Decomposition gases and vapours, carbon monoxide and carbon dioxide, nitrogen oxide and hydrogen cyanide.
Special protective equipment:	Use pressure air respirator at low aeration and in closed rooms. On extreme conditions chemical protection suit might be necessary.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	In case of insufficient ventilation, wear suitable respiratory equipment
Environmental precautions:	Avoid release to the environment. Do not empty into drains.
Clean-up methods:	Rinse the residues away with water. Incineration and disposal of the waste are to be according to local regulations. Contaminated empty containers must be disposed as a chemical waste

## 7. HANDLING AND STORAGE

Handling:	Protect against fire and explosion: keep away from sources of ignition – no smoking. Take precautionary measures against static discharges. Avoid creating dusty conditions.
Storage:	Product should be stored in original containers under normal conditions, keep away from medicinal products, food, drink and animal feeding stuffs. The product should not be cumulatively stored with substances where dangerous chemical reactions are possible.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>EXPOSITION LIMIT VALUES:</b>	Not available.
Measurement methods:	Not available.
Technical measures:	Not necessary, no exposition expected.
<b>PERSONAL PROTECTIVE EQUIPMENT:</b>	
Body protection:	Commonly special body protection not necessary, regular work clothing sufficient.
Respiratory protection:	Commonly respiratory protection not necessary.
Eye protection:	Commonly eye protection not necessary, eye contacts should be avoided.
Hand protection:	Protection gloves are not required commonly, on permanent skin contact gloves for low mechanic and substantial stress are enough. Protection gloves to be applied have to comply with the specifications of EU directive 89/686/EEC und EN 374, e.g. Matter: Butyl rubber Thickness: > 0,4 mm Penetration time: > 30 min.
Skin protection:	Skin protection products are not as effective as protection gloves, so suitable protection gloves should be preferred if possible. If protection gloves can not be worn apply water insoluble skin protection substances to clean skin before start of work and after each break and thoroughly embrocate. Before break and at end of work skin cleaning with water and soap is necessary. After cleaning fatty skin care products should be applied.
General safety and hygiene measures:	On using do not eat, drink or smoke. Avoid aspiration of dust. Change contaminated clothes and don't reuse t until cleaned.
Further information:	This product is classified as non hazardous. However the usual precautions for harmful chemical must be observed to avoid contact with the skin, eyes and respiratory tract.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE:

Form: liquid  
Odour: low and typical  
Colour: colourless

### SAFETY RELEVANT DATA:

pH Value: 5.5-5.7  
solid content: 13.6%  
Boiling point/range: n.e.  
Melting point/range: n.e.  
Density: 15000-19000  
Vapour pressure: n.e.  
Solubility in water: soluble  
Self ignition: n.e.  
Oxidising properties: n.e.  
Further information: n.a. = not applicable n.e. = not evaluated

## 10. STABILITY & REACTIVITY

Stability: Stable.  
Conditions to avoid: Excessive heating, sparks or open flame.  
Materials to avoid: Strong oxidizing materials.  
Hazardous decomposition or other byproducts: Carbon monoxide and dioxide, nitrogen oxides and hydrogen cyanide.  
Hazardous polymerisation: Will not appear.

## 11. TOXICOLOGICAL INFORMATION

Acute and chronic toxicity: This product is not expected to cause toxicity or be irritating to skin or eyes  
Remarks: On appropriate handling and use as intended on our experience and on current information the product doesn't cause any effects harmful to human health.  
Carcinogenicity: No information available, not listed by ACGIH, IARC, NTP, or CA Prop 65.  
Mutagenicity: No information available.  
Teratogenicity: No information available.  
Reproductive Effects: No information available.  
Neurotoxicity: No information available.  
Epidemiology: No information available.  
Other Studies: No information available.

## 12. ECOLOGICAL INFORMATION

Aquatic and other ecotoxic effects: Small amounts of this product are not expected to cause toxicity to the environment. Components of this material are not biomagnified or bioconcentrated in the environment.  
Remarks: On appropriate handling and use as intended on our experience and on current information the product doesn't cause any adverse effects to environment.

## 13. DISPOSAL CONSIDERATIONS

DISPOSAL OF RESIDUES AND WASTES OF THE PRODUCT:

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Residues and wastes are to be brought to a incineration site.

European waste inventory number:	08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09*.
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**DISPOSAL OF CONTAMINATED PACKAGING:**

Contaminated packaging are to be brought to utilisation or disposal by redemption systems or licenced waste management service.

European waste Inventory number:	15 01 10*	Packaging containing residues of or contaminated by dangerous substances.
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**DISPOSAL OF COMPLETELY EMPTIED PACKAGING:**

Completely emptied plastic packaging can be brought to a substantial utilisation.

European waste inventory number:	15 01 02	Plastic packaging.
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## 14. TRANSPORTATION INFORMATION

This product is not regulated by the US Department of Transportation.  
No dangerous good in the sense of ADR/RID, ICAO/IATA, IMDG.

## 15. REGULATORY INFORMATION

**CHEMICAL SAFETY ASSESSMENT ACCORDING TO EU REGULATION NO. 1907/2006:**

A chemical safety assessment (CSA) according to art. 14 par. 1 Regulation (EC) no. 1907/2006 (REACH) is not yet available.

**CLASSIFICATION AND LABELLING ACCORDING TO EU DIRECTIVES 67/548/EEC UND 1999/45/EC:**

The substance is not due to labelling.

**CLASSIFICATION AND LABELLING ACCORDING TO REGULATION (EC) No. 1272/2008 (CLP):**

The substance is not due to labelling.

**NATIONAL REGULATIONS (GERMANY):**

The substance is not due to labelling according to German regulation.

## 16. OTHER INFORMATION

Hazard Symbols: F: Highly flammable

Risk Phrases: R11: Highly flammable  
hazard statements: H225: Highly flammable liquid and vapour

The recommendations and information contained in this MSDS have been compiled from sources believed to represent the most current information available when the MSDS was prepared. However, the manufacturer/distributor of this product provides any warranty, guaranty or representation as to the correctness or sufficiency of this information. If this product is to be used in large amounts and/or an unusual manner, the user is obliged to determine what safety measures are appropriate, including the applicable and relevant workplace and environmental regulations pertaining to handling, use and disposal.

**DATA SOURCES FOR CREATION OF MATERIAL SAFETY DATA SHEETS:**

Hazardous substances information system of the German Federation of Institutions for Statutory Accident Insurance and Prevention (GESTIS); Internet: <http://www.hvbg.de/d/bia/gestis/stoffdb/index.html>.  
Hazardous Substances Data Bank (HSDB) – U.S. National Library of Medicine (NLM); Internet: <http://toxnet.nlm.nih.gov>.  
Hommel interaktive 4.0 – Handbook of dangerous goods; Internet: <http://www.springer.com/dal/home/chemistry>.  
CRC Handbook of Chemistry and Physics, 88<sup>th</sup> Edition, 2007-2008; Internet: <http://www.hbcnetbase.com>.

**AMENDED INFORMATION AND REASONS FOR AMENDMENTS:**

Prior version:	Version no.:	----	Date:	----
Actual version:	Version no.:	4.0	Date:	22.11.2011
Kind of amendment:	updated			
Reason of amendment:	Adoption to annex II EC (VO) No. 1907/2006 (REACH) and (EC) NO. 1272/2008 (CLP)			

**REMARKS:**

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. This information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide.

Lyreco gives no warranty, express or implied, as to the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and/or compliance with federal, state, and local laws and regulations.

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