

# SAFETY DATA SHEET

## LYRECO WHITEBOARD RENOVATOR

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

#### 1.1. Product identifier

Product name	LYRECO WHITEBOARD RENOVATOR
Product number	978,598
Internal identification	AWBR150LYR

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

Identified uses	Cleaning Product
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

Emergency telephone	+33 (0) 3 27 23 64 00
---------------------	-----------------------

### SECTION 2: Hazards identification

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

##### Classification

Physical hazards	Aerosol 3 - H229
Health hazards	Acute Tox. 4 - H332
Environmental hazards	Not Classified

Human health Contact with liquefied gas might cause frostbites, in some cases with tissue damage.

#### 2.2. Label elements

##### Pictogram



Signal word Warning

Hazard statements H229 Pressurised container: may burst if heated  
H332 Harmful if inhaled.

## LYRECO WHITEBOARD RENOVATOR

<b>Precautionary statements</b>	<p>P102 Keep out of reach of children.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P261 Avoid breathing vapour/spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTER/doctor if you feel unwell.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p>
<b>Contains</b>	2-BUTOXYETHANOL, DISODIUM METASILICATE

### 2.3. Other hazards

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

##### 3.2. Mixtures

<b>2-BUTOXYETHANOL</b>	<b>1-5%</b>
CAS number: 111-76-2                      EC number: 203-905-0                      REACH registration number: 01-2119475108-36-XXXX	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 2 - H330 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20/21/22 Xi;R36/38
<b>TRISODIUM NITRILOTRIACETATE</b>	<b>1-5%</b>
CAS number: 5064-31-3                      EC number: 225-768-6                      REACH registration number: 01-2119519239-36-XXXX	
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Carc. 2 - H351	<b>Classification (67/548/EEC or 1999/45/EC)</b> Carc. Cat. 3;R40 Xn;R22 Xi;R36
<b>MORPHOLINE</b>	<b>&lt;1%</b>
CAS number: 110-91-8                      EC number: 203-815-1                      REACH registration number: 01-2119496057-30-XXXX	
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 C;R34 Xn;R20/21/22

## LYRECO WHITEBOARD RENOVATOR

<b>DISODIUM METASILICATE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 6834-92-0	EC number: 229-912-9	REACH registration number: 01-2119449811-37-XXXX
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Carc. 2 - H351 STOT SE 3 - H335 STOT SE 3 - H335	<b>Classification (67/548/EEC or 1999/45/EC)</b> C;R34 Xi;R37	
<b>SODIUM NITRITE</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 7632-00-0	EC number: 231-555-9	REACH registration number: 01-2119471836-27-XXXX
M factor (Acute) = 1		
<b>Classification</b> Ox. Sol. 3 - H272 Acute Tox. 3 - H301 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400	<b>Classification (67/548/EEC or 1999/45/EC)</b> O;R8 T;R25 N;R50	

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.,Ingredients are registered on AICS

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

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

**Notes for the doctor**      Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**    The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

## LYRECO WHITEBOARD RENOVATOR

<b>Specific hazards</b>	Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember. Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
<b>5.3. Advice for firefighters</b>	
<b>Protective actions during firefighting</b>	Move containers from fire area if it can be done without risk.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid inhalation of vapours and contact with skin and eyes.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers.

#### 6.4. Reference to other sections

**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. Collect and dispose of spillage as indicated in Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

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

**Storage precautions** Store at moderate temperatures in dry, well ventilated area.

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

**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

##### Occupational exposure limits

##### 2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m<sup>3</sup>

Sk

##### MORPHOLINE

Long-term exposure limit (8-hour TWA): WEL 10 ppm 36 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 20 ppm 72 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

## LYRECO WHITEBOARD RENOVATOR

Sk = Can be absorbed through the skin.

### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.
<b>Eye/face protection</b>	The following protection should be worn: Chemical splash goggles. EN166
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. Gloves should conform to EN374
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
<b>Hygiene measures</b>	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Do not smoke in work area.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn. EN14387

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Aerosol. Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Characteristic.
<b>pH</b>	pH (concentrated solution): 7 - 8
<b>Initial boiling point and range</b>	>100°C @
<b>Vapour pressure</b>	@ °C
<b>Relative density</b>	0.995 @ @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Auto-ignition temperature</b>	> 750°C

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
-------------------	---

### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
------------------	---

### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not available. Will not polymerise.
---	-------------------------------------

### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.
----------------------------	---

### 10.5. Incompatible materials

## LYRECO WHITEBOARD RENOVATOR

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Hydrogen fluoride (HF). Carbonyl fluoride

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Other health effects** There is no evidence that the product can cause cancer.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 153,803.87099502

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 96,898.20051233

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 66.06695489

**General information** No specific health hazards known.

**Inhalation** Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

## SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

### 12.1. Toxicity

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Do not puncture or incinerate, even when empty.

**Disposal methods** Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## LYRECO WHITEBOARD RENOVATOR

### 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)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

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

ADR/RID class	2
ADR/RID subsidiary risk	
ADR/RID label	2.2
IMDG class	2.2
IMDG subsidiary risk	
ICAO class/division	2.2
ICAO subsidiary risk	

#### Transport labels

#### 14.4. Packing group

ADR/RID packing group	N/A
IMDG packing group	N/A
ICAO packing group	N/A

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

EmS	F-D, S-U
-----	----------

Emergency Action Code

Hazard Identification Number  
(ADR/RID)

## LYRECO WHITEBOARD RENOVATOR

Tunnel restriction code (E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste) Regulations 1980 (as amended).
<b>EU legislation</b>	System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC. 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 (as amended). 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) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.
<b>Authorisations (Title VII Regulation 1907/2006)</b>	No specific authorisations are known for this product.
<b>Restrictions (Title VIII Regulation 1907/2006)</b>	No specific restrictions on use are known for this product.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

<b>Revision comments</b>	Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC
<b>Issued by</b>	David Bray
<b>Revision date</b>	06/07/2015
<b>Revision</b>	0
<b>SDS number</b>	21005

## LYRECO WHITEBOARD RENOVATOR

### Risk phrases in full

NC Not classified.  
R11 Highly flammable.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R65 Harmful: may cause lung damage if swallowed.  
R67 Vapours may cause drowsiness and dizziness.

### Hazard statements in full

H226 Flammable liquid and vapour.  
H229 Pressurised container: may burst if heated  
H272 May intensify fire; oxidiser.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H351 Suspected of causing cancer.  
H400 Very toxic to aquatic life.

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.