

## LUMI REACT HARD & STRONG SAFETY DATA SHEET

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

#### 1.1. Product identifier

Product name LUMI REACT CASTABLE  
Product No. LRCS

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

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

Supplier LUMI INDUSTRIES

Registered office:

Via Sile 41  
31056 Roncade (TV)  
Italia

Tel.: 0422789648

email: [info@lumindustries.com](mailto:info@lumindustries.com)

Headquarters

Via dell'artigianato, 5  
31011 Casella d'Asolo (TV)  
Italia

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; STOT SE 3 - H335
Environment	Not classified.

Classification (1999/45/EEC)

Xi; R36/37/38.

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

#### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word

Warning

Hazard Statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary Statements

P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.
P501	Dispose of contents/container in accordance with national regulations.

Supplementary Precautionary Statements

P261	Avoid breathing vapor/spray.
P264	Wash contaminated skin thoroughly after handling.
P321	Specific treatment (see medical advice on this label).

P302+352	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332+313	If skin irritation occurs: Get medical advice/attention.
P337	If eye irritation persists:
P362	Take off contaminated clothing and wash before reuse.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

2.3. Other hazards

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

3.2. Mixtures

Acrylate Monomers  
Glycol Diacrylate Monomers  
Phosphine oxide based photo Initiator

Classification (EC 1272/2008)

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

STOT SE 3 - H335

Classification (67/548/EEC)

Xi;R36/37/38.

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

**SECTION 4: FIRST AID MEASURES**

4.1. Description of first aid measures

General information

Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention. Never give liquid to an unconscious person.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. To hospital or eye specialist.

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

Inhalation.

May cause irritation to the respiratory system. No specific health warnings noted.

Ingestion

There may be irritation of the throat

Skin contact

May cause skin irritation/eczema.

Eye contact

Irritating and may cause redness and pain.

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

**SECTION 5: FIREFIGHTING MEASURES**

5.1. Extinguishing media

#### Extinguishing media

Water spray, foam, dry powder or carbon dioxide.

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

#### 5.3. Advice for firefighters

Special Fire Fighting Procedures

Use pressurised air mask if product is involved in a fire. Water spray should be used to cool containers.

### 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

Avoid discharge to the aquatic environment. Do not discharge into drains, water courses or onto the ground.

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

Absorb spillage with suitable absorbent material. Transfer to a container for disposal.

#### 6.4. Reference to other sections

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

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

Store in tightly closed original container in a dry and cool place. Protect from freezing and direct sunlight. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs. > 4 °C (39.2 °F), < 27 °C (80.6 °F)

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

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

#### 8.2. Exposure controls

Protective equipment



Engineering measures Provide adequate ventilation.

Respiratory equipment

Wear suitable respiratory protection.

Hand protection

Nitrile or Neoprene gloves are recommended. Eye protection

Wear tight-fitting goggles or face shield.

Other Protection

Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of skin contact. Wear air-supplied mask in confined areas.

Hygiene measures

Wash hands after contact. Wash hands after handling. Wash promptly with soap & water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination. Provide shower facilities near the work place. Shower after work. Eating, smoking and water fountains prohibited in immediate work area. DO NOT SMOKE IN WORK AREA!

Skin protection

Protection suit must be worn.

Environmental Exposure Controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.+/- 100mpas
Solubility	Insoluble in water
Relative density	1.13
Vapour pressure	< 0.1 mbar
Flash point	> 93 C > 200 F P/M Pensky-Martens.

9.2. Other information**SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerization

May polymerize.

10.4. Conditions to avoid

Avoid radical forming substances (metal-ions, peroxides)

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong alkalis. Amines. Organic peroxides/hydroperoxides.

10.6. Hazardous decomposition products**SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects

Toxicological information

No data recorded.

Inhalation

May cause irritation to the respiratory system. No specific health warnings noted.

Eye contact

Irritating to eyes.

Route of entry

Inhalation. Skin absorption. Ingestion.

Specific effects

Dermatitis

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

Dangerous for the environment if discharged into watercourses.

12.1. Toxicity12.2. Persistence and degradability12.3. Bioaccumulative potential12.4. Mobility in soil12.5. Results of PBT and vPvB assessment12.6. Other adverse effects**SECTION 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

### 14.6. Special precautions for user

Not applicable.

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

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

#### EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization 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.

### 15.2. Chemical Safety Assessment

## SECTION 16: OTHER INFORMATION

### Risk Phrases In Full

R36/37/38 Irritating to eyes, respiratory system and skin.

### Hazard Statements In Full

H319 Causes serious eye irritation.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

H315 Causes skin irritation.

H335 May cause respiratory irritation.

### 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.