

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Trade Name: Rope Light Glue

Material no.: 244-006

Version: 1.0

Print date: 2015-07-17

Specification:

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1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

- Product name: Rope Light Glue
- Product code: 244-006
- Also delivered with items: 244-001, 244-002, 244-003, 244-023, 244-033, 244-034, 244-230, 244-231, 244-244, 244-245, 244-246, 244-247, 244-248, 444-001, 444-002, 444-003
- Substance: Contract Resin



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

- Registered company name: MK Illumination Handels GmbH.
- Address: Trientlgasse 70, 6020 Innsbruck, Austria
- Telephone: +43 (0) 512 202430. Fax: +43 (0) 512 202433.
- Email : info@mk-illumination.com
- www.mk-illumination.com

1.4 Emergency telephone number: MK Illumination AG +41 44 818 74 00

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 In compliance with EC regulation No. 1272/2008 and its amendments.

- Skin irritation, Category 2 (Dermatitis – dry, rough and pain).
- Eye irritation, Category 2 (Ocular inflammatory – pain and tears).
- Ingestion, Category 2 (nose pharynx pain and cough).
- Inhalation, Category 2 (Nausea and vomiting).
- Hazard Warnings for Health: Headache, Qualm, Vomit and drowsiness.
- Hazardous to the aquatic environment - Chronic hazard, Category 2.
- This mixture might present a physical hazard.

2.1.2 In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

- Possibility of skin sensitisation. The mixture may also irritate the skin and prolonged contact may aggravate this effect.
- Possibility of irritation to the eyes, by inhalation and skin.
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- This mixture might present a physical hazard.

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2.1.3 Additional information

- No additional information
- Please observe the information will be given in the safety data sheets

2.2 Label elements

2.2.1 In compliance with EC regulation No. 1272/2008 and its amendments.



flammable



Xi Irritant

3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS-No.	percentage
Acetone	67-64-1	40%
MEK	78-93-3	30%
Ethyl acetate	141-78-6	30%

4 FIRST AID MEASURES

- As a general rule, in case of doubt or if symptoms persist, always call a doctor.

4.1 Description of first aid measures

4.1.1 In the event of exposure by inhalation:

- In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.
- If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.
- If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

4.1.2 In the event of splashes or contact with eyes:

- Wash immediately thoroughly with a plenty of soft, clean water for 15 minutes holding the eyelids open.
- If there is any redness, pain or visual impairment, consult an ophthalmologist.

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4.1.3 In the event of splashes or contact with skin:

- Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner for at least 15 minutes.
- Watch out for any remaining product between skin and clothing, watches, shoes, etc.
- In the event of an allergic reaction, seek medical attention.
- If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital

4.1.4 In the event of swallowing:

- Do not give the patient anything orally.
- In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water or milk and consult a doctor.
- Seek medical attention immediately, showing the label.

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

- No data available.

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

- No data available.

5 FIREFIGHTING MEASURES

5.1 Suitable extinguishing media

- In the event of fire, use specifically suitable extinguishing agents. Never use water.

5.2 Suitable methods of extinction

In the event of a fire, use:

- Foam
- Carbon dioxide (CO₂)
- Dry chemical powder

5.3 Unsuitable methods of extinction

In the event of a fire, do not use:

- Water jet

5.4 Special hazards arising from the substance or mixture

- A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
- Do not breathe in smoke.
- In the event of a fire, the following may be formed:
 - carbon monoxide (CO)
 - carbon dioxide (CO₂)

5.5 Advice for firefighters

- Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Consult the safety measures listed under headings 7 and 8.

6.1.1 For non fire-fighters

- Avoid inhaling the vapors.
- Avoid any contact with the skin and eyes.
- If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

6.1.2 For fire-fighters

- Fire-fighters will be equipped with suitable personal protective.

6.2 Environmental precautions

- Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
- Prevent any material from entering drains or waterways.

6.3 Methods and material for containment and cleaning up

- Absorb with sand and put it into a container for disposal
- Clean preferably with a detergent, do not use solvents.

6.4 Reference to other sections

- No data available.

7 HANDLING AND STORAGE

- Requirements relating to storage premises apply to all facilities where the mixture is handled.
- Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1 Precautions for safe handling

- Always wash hands after handling.
- Remove and wash contaminated clothing before re-using.
- Do not eat, drink and smoke during use.
- Avoid contact with certain plastics like PVC and natural rubber, these materials will dissolve.
- Avoid contact with strong oxidizers.
- Use only explosion proof equipment.

7.1.1 Fire prevention:

- Handle in well-ventilated areas.
- Prevent access by unauthorised personnel.

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7.1.2 Recommended equipment and procedures:

- For personal protection, see section 8.
- Observe precautions stated on label and also industrial safety regulations
- Never pour water into this mixture.
- Avoid inhaling vapors.
- Carry out any industrial operation which may give rise to this in a sealed apparatus.
- Provide vapor extraction at the emission source and also general ventilation of the premises
- Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions
- In all cases, recover emissions at source
- Avoid skin and eye contact with this mixture.

7.1.3 Prohibited equipment and procedures:

- No smoking, eating or drinking in areas where the mixture is used.

7.2 Conditions for safe storage, including any incompatibilities

- Store between 4°C and 25°C in a dry, well ventilated place.
- Keep away from sources of ignition - no smoking.

7.2.1 Storage

- Keep the container tightly closed in a dry, well-ventilated place

7.2.2 Packaging

- Always keep in packaging made of an identical material to the original

7.3 Specific end use(s)

- No data available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits:

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

8.2 Exposure controls

8.2.1 Personal protection measures, such as personal protective equipment

- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before reusing.
- Ensure that there is adequate ventilation, especially in confined areas.

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Eye / face protection

- Avoid contact with eyes.
- Use eye protectors designed to protect against liquid splashes
- Before handling, wear safety goggles with protective sides accordance with standard EN166.
- In the event of high danger, protect the face with a face shield.
- Prescription glasses are not considered as protection.
- Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
- Provide eyewash stations in facilities where the product is handled constantly.

Hand protection

- Protective creams may be used for exposed skin, but they should not be applied after contact with the product.
- Use suitable protective gloves of neoprene or nitril rubber that are resistant to chemical agents in accordance with standard EN374.
- Gloves must be selected according to the application and duration of use at the workstation.
- Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Body protection

- Avoid skin contact.
- Wear suitable protective clothing
- Suitable type of protective clothing:
In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
- In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

Respiratory protection

- Avoid breathing vapours
- If the ventilation is insufficient, wear appropriate breathing apparatus.
- When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear and Viscous liquid	Auto flammability	No experimental data of the product available
Colour	Colorless	Explosive properties	No experimental data of the product available
Odour	Characteristic odor	Oxidizing properties	No experimental data of the product available
PH	No experimental data of the product available	Vapor pressure	70-90mmHg @ 20°C
Boiling point / boiling range	85°C – 110°C	Specific Gravity	0.8 – 0.9
Melting point / melting range	No experimental data of the product available	Solubility in water	NO
Flash point	24°C	Partition coefficient	No experimental data of the product available
Flammability	Burns	Others	---

10 STABILITY AND REACTIVITY

10.1 Reactivity

- No data available.

10.2 Chemical stability

- This mixture is stable under the recommended handling and storage conditions in section 7.

10.3 Possibility of hazardous reactions

- No data available.

10.4 Conditions to avoid

- Keep away from flames or direct heat.

10.5 Incompatible materials

- Avoid contact with certain plastics like PVC and natural rubber.

10.6 Hazardous decomposition products

- The thermal decomposition may release/form:
 - carbon monoxide (CO)
 - carbon dioxide (CO₂)

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
- May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.
- Respiratory tract irritation may occur, together with symptoms such as coughing, choking and breathing difficulties.
- May cause an allergic reaction by skin contact.

11.1.1 Inhalation

- Respiratory exposure to the solvents may lead to dizziness, headache, vomiting and drowsiness.

11.1.2 Ingestion

- Respiratory exposure to the solvents may lead to dizziness, headache, vomiting and drowsiness.

11.1.3 Skin corrosion/skin irritation:

- Frequent or continuous skin contact irritation and may lead to dermatitis.

11.1.4 Serious damage to eyes/eye irritation:

- Causes eye irritation.

11.1.5 Respiratory or skin sensitisation:

- May cause an allergic skin reaction.

12 ECOLOGICAL INFORMATION

- The product must not be allowed to run into drains or waterways.

12.1 Toxicity

12.1.1 Substances

- No experimental data on aquatic toxicity available for the substances.

12.1.2 Mixtures

- No experimental data on aquatic toxicity available for the mixture.

12.2 Persistence and degradability

- Product is persistent.

12.3 Bioaccumulative potential

- No experimental data available.

12.4 Mobility in soil

- No experimental data available.

12.5 Results of PBT and vPvB assessment

- No experimental data available.

12.6 Other adverse effects

- No experimental data available.

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12.6.1 German regulations concerning the classification of hazards for water (WGK):

- No data available.

13 DISPOSAL CONSIDERATIONS

- Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1 Waste treatment methods

- Do not pour into drains or waterways.

13.1.1 Waste:

- Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
- Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
- Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

13.1.2 Soiled packaging:

- Empty container completely. Keep label(s) on container.
- Give to a certified disposal contractor.

14 TRANSPORT INFORMATION

- Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

14.1 UN Number

- No data available.

14.2 Hazard class

- No data available.

14.3 Packing group

- No data available.

14.4 Air transport

- No data available.

14.5 Sea transport

- No data available.

14.6 Inland transport

- No data available.

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15 REGULATORY INFORMATION

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

15.1.1 Particular provisions:

- No data available.

15.1.2 German regulations concerning the classification of hazards for water (WGK):

- No data available.

15.2 Chemical safety assessment

- No data available.

16 OTHER INFORMATION

- Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
- The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
- It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
- The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

16.1 Title for H, EUH and R indications mentioned in section 3:

16.2 Abbreviations:

- ADR: European agreement concerning the international carriage of dangerous goods by Road.
- IMDG: International Maritime Dangerous Goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organisation
- RID: Regulations concerning the International carriage of Dangerous goods by rail.
- WGK: Wassergefährdungsklasse (Water Hazard Class).