



## MATERIAL SAFETY DATA SHEET FOR BLUE, CHILDREN'S, CLEAR PLASTERS

### 1. PRODUCT AND COMPANY IDENTIFICATION

**1.1 Manufacturer Company:** Reliance Medical Shanghai LTD

**1.2 Manufacturer Address:** First Floor, Building 66, Lane 118, Suide Road, Putuo District, Shanghai, China.

**1.3 EC Company:** Reliance Medical LTD

**1.4 EC Address:** West Ave, Talke, Stoke-On-Trent, Staffordshire, ST7 1TL, United Kingdom.

**1.5 EC Phone Number:** 08456 448808

**1.6 Reference Codes:**

**Blue Plasters:** 448, 449, 540, 541, 542, 543, 544, 545, 546, 548, 549, 558.

**Children's Plasters:** 633.

**Clear Plasters:** 6930, 6931, 6932, 6933, 6934, 6942, 6939, 6935, 6936, 6940, 6941, 6937.

### 2. HAZARD IDENTIFICATION

**2.1 Emergency overview-** DANGER!

HARMFUL IF INHALED.

EYE IRRITANT.

SKIN IRRITANT.

EXTREMELY FLAMMABLE.

Possible birth defect hazard.

SKIN SENSITISER.

Colourless Liquid Hydrocarbon Odor.

**2.2 Eye-** Will cause eye irritation. May cause permanent damage if eye is not immediately irrigated.

**2.3 Skin contact-** Irritating to the skin. May be absorbed through the skin. Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.

**2.4 Inhalation-** Respiratory irritant. The vapor has anesthetic properties and when inhaled at concentrations above the occupational exposure limit, it may cause respiratory irritation, headache, fatigue, dizziness and incoordination. Moderately toxic.

**2.5 Ingestion-** Ingestion may cause irritation of the gastrointestinal tract. Aspiration of the product into the lungs following ingestion may cause pulmonary injury leading to pneumonitis.

### 3. INFORMATION ON INGREDIENTS

#### CHEMICAL FAMILY – ACRYLATE COPOLYMER

<u>Component</u>	<u>CAS No.</u>	<u>Concentration</u>
3.1- Isopropanol	67-63-0	10-35
3.2- Heptane	142-82-5	10-35
3.3- Ethyl Acetate	141-78-6	10-40

### 4. FIRST AID MEASURES

**4.1 Eye-** Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Seek immediate medical attention.

**4.2 Skin contact-** Wash skin with soap and water. Remove grossly contaminated clothing, including shoes, and launder before re-use. Discard shoes. If symptoms (irritation or blistering) persist seek medical attention.

**4.3 Inhalation-** Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention.

**4.4 Ingestion-** DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Get prompt medical attention.

### 5. FIRE FIGHTING MEASURES

**5.1 Extinguishing Media:** CO<sub>2</sub>, dry chemical, foam, water fog.

**5.2 Special firefighting procedures-** Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes; cool exposed equipment with water spray.

**5.3 Fire and explosion-** The vapour is heavier than air and may travel a considerable distance to a source of ignition and flashback. Combustion will evolve toxic and irritant vapours.

**5.4 Autoignition-** N/A

**5.5 Lower explosion limit-** (%) 1.0

**5.6 Upper explosion limit-** (%) 12.7

**5.7 Flash point-** < -6 degrees (Setaflash Closed Tester)

### 6. ACCIDENTAL RELEASE MEASURES

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

**6.1- Spill and leak procedures-** Shut off ignition sources, stop leak if you can do it without risk. For small liquid spills, take up with sand or other absorbent material. For larger spills, dam far ahead of spill for later disposal. No smoking, flames or flares in hazard area! Keep unnecessary people away.

## 7. HANDLING AND STORAGE

**7.1 Handling-** Store in a cool, dry, well-ventilated environment away from heat, sparks or fire. Product contains hazardous volatile ingredients which could accumulate in the unvented headspace of drums or bulk storage vessels. Open drums in ventilated area. Avoid breathing vapours.

**7.2 Storage temperature-** Room.

## 8. EXPOSURE CONTROL/PPE

<u>Component</u>	<u>Exposure limits</u>
<b>8.1- Isopropanol</b>	ACGIH-STEL:400ppm ACGIH-TW A:200ppm OSHA-TW A:400ppm, 980 mg/m <sup>3</sup>
<b>8.2- Heptane</b>	ACGIH-STEL:500ppm ACGIH-TW A:400ppm OSHA-TW A:500ppm, 2000 mg/m <sup>3</sup>
<b>8.3- Ethyl Acetate</b>	ACGIH-TW A:400ppm OSHA-TW A:400ppm, 1400 mg/m <sup>3</sup>

**8.5- Ventilation-** Local. Explosion-proof exhaust ventilation.

**8.6- Eye protection-** Chemical type goggles with face shield. Protect against splashing.

**8.7- Glove requirements-** Impervious neoprene or rubber gloves are recommended.

**8.8 -Clothing requirements-** Standard industrial hygiene procedures should be practiced.

**8.9- Wash requirements-** Wash before eating, drinking, or using toilet facilities.

**8.10- Respiratory requirements-** Avoid prolonged or repeated breathing of vapour or mists. If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator to prevent overexposure.

## 9. PHYSICAL CHEMICAL PROPERTIES

**Pure substance or mixture-** Mixture

**9.0- Physical Form:** Liquid

**9.1- Colour:** Colorless

**9.2- Odor:** Hydrocarbon

**9.3- Boiling Point:** > 82 degrees

**9.4- Specific Gravity:** 0.85 (WATER=1).

**9.5- Flash Point:** < -6°C (Setaflash Closed Tester).

**9.6- Solubility:** Slightly soluble in water.

**9.7- Evaporation Rate:** > 1 (n-Butyl Acetate = 1)

**9.8- Vapour Pressure:** 180@ 20°C (mmHg)

**9.9- Vapour Density:** 2.4 (air = 1)

**9.10- Volatiles:** 46%

## 10. STABILITY AND REACTIVITY

**10.1 Stability:** Stable.

**10.2 Hazardous Decomposition Products:** Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

## 11. TOXOLOGICAL INFORMATION

**11.1 Eye-** Isopropanol: Will cause eye irritation. Contact with eyes causes redness and discomfort which is transient.

Ethyl Acetate: Will cause eye irritation.

**11.2 Skin contact-** Isopropanol: May be absorbed through the skin. Repeated or prolonged skin contact may result in mild irritation. Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.

Ethyl Acetate: Irritating to the skin. Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis. May be absorbed through the skin.

**11.3 Inhalation-** Isopropanol: Vapor may be irritant to the respiratory tract. The vapor has anesthetic properties and when inhaled at concentrations above the occupational exposure limit, it may cause respiratory irritation, headache, fatigue, dizziness and incoordination.

Ethyl Acetate: Respiratory irritant. Moderately toxic. The vapor has anesthetic properties and when inhaled at concentrations above the occupational exposure limit, it may cause respiratory irritation, headache, fatigue, dizziness and incoordination.

**11.4 Ingestion-** Isopropanol: May cause irritation of mouth, throat and digestive tract and depression of the central nervous system. Slightly toxic. May cause nausea, vomiting and diarrhea.

Ethyl Acetate: May cause irritation of mouth, throat and digestive tract and depression of the central nervous system. Slightly toxic. May cause nausea, vomiting and diarrhea.

## 12. ECOLOGICAL INFORMATION

**12.1 Potential to bioaccumulate-** Unknown.

**12.2 Aquatic Toxicity-** None Established.

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste disposal methods:** Disposal should be in accordance with local, state or national legislation.

**13.2 Empty container warning-** empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

## **14. TRANSPORT INFORMATION**

DOT CLASSIFICATION  
PROPER SHIPPING NAME- ADHESIVES  
HAZARD CLASS- 3  
U.N NUMBER- UN1133  
PACKAGING GROUP- II

The information provided herein may not include the impact of additional regulatory requirements (e.g., for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/or marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

## **15. REGULATORY INFORMATION**

N/A

## **16. OTHER INFORMATION**

ADDITIONAL INFORMATION:

The information given and the recommendations made herein apply to our product(s) alone and are not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.

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