Safety Data Sheet

CURAD Flex Seal Spray Bandage

Section 1. Identification

Product Identifier	CURAD Flex Seal Spray Bandage
Synonyms	CUR76124RB; MSD_SDS0016
Manufacturer Stock Numbers	CUR76124RB
Recommended use	Aerosol Spray Plaster
Uses advised against	N.A.
Manufacturer Contact Address	Medline 3 Lakes Drive Northfield, IL, 60093 USA

Phone	Emergency Phone	Fax
(800) 633-5463	(800) 424-9300 CHEMTREC	(847) 643-4436

Website
www.Medline.com

Section 2. Hazards Identification

Classification	FLAMMABLE AEROSOLS - Category 1
Signal Word	Danger
Pictogram	

Hazard Statements	Extremely flammable aerosol Pressurized container; may burst if heated
Precautionary Statements	
Response	N/A
Prevention	Do not pierce or burn, even after use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50 ºC/122 ºF.
Disposal	N/A
General	Keep out of reach of children
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-17-5	Ethyl alcohol	60% - 70%
115-10-6	Dimethyl ether	30% - 40%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Allow breathing of fresh air. Allow the victim to rest. Cough.
Skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.
Eye contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist. Direct contact with the eyes is likely to be irritating. Rinse eyes with water as a precaution.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison centre or a doctor if you feel unwell.
Most important symptoms and effects, both acute and delayed:	Symptoms/injuries after inhalation: Shortness of breath.
Indication of Any Immediate Medical Attention and Special Treatment Needed:	Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable Extinguishing Media	Do not use a heavy water stream.
Special hazards arising from the substance or mixture:	Fire hazard: Flammable aerosol. Extremely flammable aerosol. Explosion hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Pressurized container: May burst if heated. Hazardous decomposition products in case of fire: Toxic fumes may be released.
Advice for firefighters:	Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid fire-fighting water entering the environment. DO NOT fight fire when fire reaches explosives. Evacuate area. Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	General measures: No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges.
For non-emergency personnel:	Emergency procedures: Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking
For emergency responders:	Protective equipment: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". Emergency procedures: Ventilate area.
Environmental precautions:	Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods and material for containment and cleaning up:	Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Recover mechanically the product. Other information: Dispose of materials or solid residues at an authorized site.
Reference to other sections:	See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

Section 7. Handling and Storage

Precautions for safe handling:

Additional hazards when processed: Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use.

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not spray on an open flame or other ignition source. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Pressurized container: Do not pierce or burn, even after use.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities:

Technical measures: Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from: Heat sources. Keep container closed when not in use. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Protect from sunlight. Store in a well-ventilated place. Keep cool.

Incompatible materials: Sources of ignition. Direct sunlight. Heat sources.

Specific end use(s):

Aerosol Spray Plaster.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Ethyl alcohol	STEL: 1,000 ppm Note: Upper respiratory track irritation. Confirmed animal carcinogen with unknown relevance to humans.	TWA: 1,000 ppm 1,900mg/mm3 29 CFR 1910.1000 Table Z-1 Limits	N/A
Dimethyl ether	N/A	N/A	N/A

Personal Protective Equipment

Goggles, Gloves

Appropriate Engineering Controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin and Body protection:	Wear suitable protective clothing.
Respiratory protection:	Wear appropriate mask.
Environmental exposure controls:	Avoid release to the environment.
Other information:	Do not eat, drink or smoke during use.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Slightly hazy (blueish white) liquid in can, aerosol applied spray plaster
Odor	Alcohol-like
Odor Threshold	N.D.
Solubility	N.D.
Partition coefficient Water/n-octanol	N.A.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	N/A
Density lbs/Gal	0.819
Pounds per Cubic Foot	N/A
Flash Point	< 0 °C
FP Method	Closed Cup
pH	N.D.
Melting Point	N.A.
Boiling Point	N.D.
Boiling Range	N.D.
LEL	N/A
UEL	N/A
Evaporation Rate	N.D.
Flammability	N.D.
Decomposition Temperature	N.D.
Auto-ignition Temperature	N.D.
Vapor Pressure	N.D.
Vapor Density	N.D.

Explosive properties:	Pressurized container: May burst if heated.
Oxidizing Properties:	No data available.
Explosive Limits:	No data available.
Other information:	No additional information available.

Section 10. Stability and Reactivity

Reactivity:	Extremely flammable aerosol. Pressurized container: May burst if heated.
Chemical stability:	Not established. Flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.
Possibility of hazardous reactions:	Not established.
Conditions to avoid:	Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials:	Strong acids. Strong bases.
Hazardous Decomposition Products:	Fumes. Carbon monoxide. Carbon dioxide.

Section 11. Toxicological Information

Acute toxicity:	Ethyl alcohol - CAS No. 64-17-5 LD50 oral rat: 6200 - 17800 mg/kg LD50 oral: 10470 mg/kg bodyweight LD50 dermal: 15800 mg/kg bodyweight LC50 inhalation rat (mg/l): 124.7 mg/l/4h LC50 inhalation rat (Dust/Mist - mg/l/4h): > 99999 mg/l/4h LC50 inhalation rat (Vapours - mg/l/4h): 39 mg/l/4h Dimethyl ether - CAS No. 115-10-6 LC50 inhalation rat (mg/l): 309 mg/l/4h (Rat; Experimental value) LC50 inhalation rat (ppm): 164000 ppm/4h (Rat; Experimental value)
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Not classified.
Respiratory/Skin Sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive Toxicity:	Not classified.
Specific Target Organ Toxicity - Single Exposure:	Not classified.
Specific Target Organ Toxicity - Repeated Exposure:	Not classified.
Aspiration hazard:	Not classified.

Section 12. Ecological Information

Toxicity:	Ethyl alcohol - CAS No. 64-17-5 LC50 fish 1: 12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) LC50 fish 2: > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) EC50 Daphnia 1: 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) EC50 Daphnia 2: 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) EC50 other aquatic organisms 1: 5012 mg/l EC50 waterflea (48 h) EC50 other aquatic organisms 2: 275 mg/l IC50 algea (72 h) mg/l ErC50 (algae): 5000 mg/l 72 hr Dimethyl ether - CAS No. 115-10-6 Threshold limit algae 1: 154.9 mg/l (EC50; ECOSAR v1.00; 96 h; Algae)
Persistence/degradability:	Not established.
Bioaccumulative potential:	Not established.
Results of PBT and vPvB assessment:	No additional information available
Other adverse effects:	Other information: Avoid release to the environment.

Section 13. Disposal

Waste treatment methods:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use.
Additional information:	Flammable vapors may accumulate in the container.
Ecology - waste materials:	Avoid release to the environment.

Section 14. Transport Information

UN Number	1950
UN Proper Shipping Name	Aerosols, flammable
DOT Classification	2.1
Packing Group	N/A
IMDG - UN Number:	1950
IMDG - UN Proper Shipping Name	AEROSOLS
IMDG - Hazard Class:	2.1
IMDG - Packing Group:	N/A
IATA - UN Number:	1950
IATA - Proper Shipping Name:	Aerosols, flammable
IATA - Hazard Class:	2.1
IATA - Packing Group:	N/A

Section 15. Regulatory Information

SARA 311/312:	Refer to Section 2 of the SDS.
SARA 302:	N.A.
SARA 304:	N.A.
SARA 313:	N.A.
TSCA:	All components are listed or exempt.
CERCLA Hazardous Substance List:	N.A.
Clean Air Act (CAA) Section 112, 112 (r):	Dimethyl ether.
New Jersey Right to Know Components:	ETHYL ALCOHOL. DIMETHYL ETHER.
Massachusetts Right to Know Components:	ETHYL ALCOHOL. METHANE, OXYBIS-
Pennsylvania Right to Know Components:	ETHANOL. METHANE, OXYBIS-.
Rhode Island Right to Know Components:	ethyl alcohol. Dimethyl ether.

Section 16. Other Information

Revision Date	12/13/2022
Legend	N.A. - Not Applicable N.E. - Not Established N.D. - Not Determined
Additional Information:	The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.