Safety Data Sheet

CURAD QUICKSTOP SPRAY

Section 1. Identification

Product Identifier	CURAD QUICKSTOP SPRAY
Synonyms	CUR5248; MSD_SDS0326
Manufacturer Stock Numbers	CUR5248
Recommended use	Relevant Identified Uses: Medical device; stop bleeding spray containing haemostatic substance for topical applications (help to control capillary bleeding from surface skin wounds such as abrasions, lacerations and minor cuts).
Uses advised against	Do not spray into eyes; do not use on mucosa and for stopping severe vascular bleeding. Reasons why uses advised against: Irritating for eyes and mucosa. Does not stop severe bleeding.

Manufacturer Contact

Address

Medline Industries, Inc.
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	Causes serious eye irritation Extremely flammable aerosol May cause respiratory irritation. Pressurized container; may burst if heated
Precautionary Statements	
Response	N/A
Prevention	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 smiking. Pressurized container: Do not pierce or burn, even after use.
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	
Other Hazards:	Neither substance nor mixture meets the criteria for PBT or vPvB in accordance with Annex XIII.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
67-63-0	Isopropyl alcohol	< 5 %
9004-32-4	Cellulose, carboxymethyl ether, sodium salt	< 5 %
9032-53-5	Cellulose, 6-carboxy	< 5 %
109-87-5	Methane, dimethoxy-	40 %
68476-86-8	Petroleum gases, liquefied, sweetened	50 %

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

Section 4. First-Aid Measures

Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical advice if irritation persists.
Skin Contact:	Intended for topical applications. Get medical advice if irritation develops.
Inhalation:	Remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion	Wash out mouth with water. Get medical advice if adverse symptoms develop.
Most important symptoms and effects, both acute and delayed:	Liquid or aerosol may cause slight transient irritation of eyes. Swallowing may have the following effects: nausea. No delayed effects expected.
Indication of Any Immediate Medical Attention and Special Treatment Needed:	No special treatment needed.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Keep containers and surroundings cool with water spray. Use foam, dry chemical or carbon dioxide. Do not use water jet.
Unsuitable Extinguishing Media	N.D.
Specific hazards arising from the substance or mixture:	Containers may explode in heat of fire. This product may give rise to hazardous fumes in a fire.
Advice for firefighters:	Do not use water jet. Wear self-contained breathing apparatus.
Flammable properties:	Extremely flammable.
Flash Point:	Not available.
Hazardous Combustion Products:	Combustion will generate smoke, possibly thick and choking. Carbon dioxide and carbon monoxide may form when heated to decomposition.
Explosion data:	Containers may explode in heat of fire.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills, use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water.
Environmental Precautions:	Try to prevent the material from entering drains or watercourses. Advice Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.
Methods and Materials for Containment and Cleaning up:	Allow evaporating if it is safe to do so or contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.
Reference to other sections:	N.A.

Section 7. Handling and Storage

Precautions for Safe Handling:	Keep away from sources of ignition, avoid smoking during handling.
Conditions for Safe Storage, Including any Incompatibilities:	Store in dry, indoor, clean storage places, to prevent weather effects. Storage temperature should be kept below 50°C. Protect from sunlight or excessive heat.
Incompatibilities:	Strong oxidizing agents.
Specific End use(s):	Medical device, stop bleeding spray.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm STEL: 500 ppm	N/A
Cellulose, carboxymethyl ether, sodium salt	N/A	N/A	N/A
Cellulose, 6-carboxy	N/A	N/A	N/A
Methane, dimethoxy-	N/A	N/A	N/A
Petroleum gases, liquefied, sweetened	N/A	N/A	N/A

Personal Protective Equipment

N/A

Exposure Controls:

Hand Protection:
N.A.

Eye Protection:
N.A.

Body Protection:
Normal work wear.

Protection during application:
N.A.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	White to creamy yellow amorphous powder after the spraying out.
Odor	By solvents - isopropanol, methylal
Odor Threshold	N.A.
Solubility	Partially soluble in water to form a colloidal dispersion
Partition coefficient Water/n-octanol	N.A.
VOC%	N/A
Viscosity	N.A.
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N.A.
FP Method	N.A.
Ph	4.5 to 7.0 in 1% w/w water extract
Melting Point	N.A
Boiling Point	N.A.
Boiling Range	N.A.
LEL	N/A
UEL	N/A
Evaporation Rate	N.A.
Flammability	Extremely flammable
Decomposition Temperature	N.A.
Auto-ignition Temperature	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.

Chemical Name:	N.A.
Relative density:	Suspension, 0.900 - 0.920 g/cm3
Oxidizing Properties:	Not classified as oxidizing.
Other information:	N.A.

Section 10. Stability and Reactivity

Reactivity:	Stable under ordinary conditions of use and storage.
Chemical Stability:	Stable under ordinary conditions of use and storage.
Possibility of Hazardous Reactions:	None anticipated under normal conditions of use.
Conditions to avoid:	Temperatures in excess of 50°C, ignition sources, exposure to direct sunlight and incompatibles.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	Carbon dioxide and carbon monoxide may form when heated to decomposition or burned.

Section 11. Toxicological Information

Acute Toxicity:	No data available for mixture.
Information on Toxicological Effects of Components:	Oxidized cellulose, calcium-sodium salt LD50 Intraperitoneal Rat > 4,300 mg/kg LD50 Intraperitoneal Rabbit > 4,000 mg/kg Propane No data available Methylal LD50 Oral Rat 6,423 mg/kg LC50 Inhalation Mouse 7 h 57,000 mg/m3 LD50 Dermal Rabbit > 5,000 mg/kg Carboxymethyl cellulose, sodium salt LD50 Oral Rat 27,000 mg/kg Butane LC50 Inhalation Rat 4 h 658,000 mg/m3 Isopropanol LD50 Oral Rat 5,045 mg/kg LC50 Inhalation Rat 8 h 16,000 ppm LD50 Dermal Rabbit 12,800 mg/kg
Skin corrosion/irritation:	No data available.
Serious eye damage/Eye irritation:	No data available.
Respiratory/Skin sensitization:	No data available.
Germ cell Mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive Toxicity:	No data available.
Specific Target Organ Toxicity - Single exposure:	No data available.
Specific Target Organ Toxicity - Repeated exposure:	No data available.
Aspiration Hazard:	No data available.

Section 12. Ecological Information

Toxicity:	The main product components are volatile/gaseous and will partition to the air phase. Active substance (m. doc TM) has not been explicitly tested for environmental effects. It is a natural based polymer. It is biodegradable and no adverse environmental effect is expected.
Persistence and biodegradability:	Full biodegradability of active substance expected.
Bioaccumulative potential:	No bioaccumulation expected.
Mobility in soil:	N.E.
Results of PBT and vPvB Assessment:	N.E.
Other adverse effects:	N.D.

Section 13. Disposal

	As regulations vary, consult applicable variations or authorities prior to disposal.
Container Disposal:	Plastic caps and empty aerosols may be recycled via appropriate routes. Empty aerosols may be disposed of by authorized landfill. Do not incinerate closed containers.

Section 14. Transport Information

UN Number	1950 Aerosols
UN Proper Shipping Name	N/A
DOT Classification	5 F
Packing Group	N/A
ADR / RID Class:	2
Tunnel Code:	D
IATA DGR Class:	2.1 2
EmS No:	F-D, S-U

Section 15. Regulatory Information

SARA 311/312:	N.A.
SARA 302:	N.A.
SARA 313:	Isopropyl alcohol.
TSCA:	N.A.
CERCLA Hazardous Substance List:	N.A.
Clean Air Act (CAA) Section 112, 112 (r):	N.A.
New Jersey Right to Know Components:	Isopropyl Alcohol METHANE, DIMETHOXY.
Pennsylvania Right to Know Components:	Isopropyl Alcohol. METHANE, DIMETHOXY-
Rhode Island Right to Know Components:	isopropyl alcohol. Dimethoxymethane.
Massachusetts Right to Know Components:	METHANE, DIMETHOXY-

Section 16. Other Information

Revision Date	04/18/2017
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