

# MATERIAL SAFETY DATA SHEET

## NEW-SKIN LIQUID

Medtech  
P.O. Box 1108  
3510 North Lake Creek Dr.  
Jackson, WY 83001  
IN CASE OF EMERGENCY: 307-733-1680

### SECTION I: GENERAL INFORMATION

Chemical Name: Nitrocellulose Solution  
Chemical Family: Lacquer / Varnish  
DOT Shipping Name: Paint, Flammable Liquid, UN 1263  
DOT Hazard Class: Flammable  
Manufacturer: Scholle Corporation

### SECTION II: HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS #	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER	mm Hg	@ TEMP	
Cellulose Nitrate	9004-70-0				0	0	5
Isopropanol	67-63-0		400 ppm		31.2	68F	
Ethyl Acetate	141-78-6	400 ppm	400 ppm		86.0	68F	40
Butyl Acetate	123-86-4		100 ppm		10.0	68F	25
Ref. Amyl Acetate	628-63-7		100 ppm		4.0	68F	20
Ethanol	64-17-5		1000 ppm		47.0	68F	5

No toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. All components of this product are TSCA registered. DOT description flammable liquids, N.O.S. (ethyl acetate, butyl acetate), 3, UN1993, PGII

### SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Range: 172 to 294 Deg F  
Vapor Density: Heavier than air  
Coating V.O.C.: 6.86 lb/gal (821 g/l)  
Material V.O.C.: 6.86 lb/gal (821 g/l)  
Solubility in water: Slight  
Appearance and odor: Solvent odor mild to sweet. Clear to amber liquid.

Specific Gravity (H<sub>2</sub>O=1): 0.9  
Evaporation Rate: Slower than ether

### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point: 24 Deg F  
Flammable limits in air by volume: Lower: 1.1% Upper: 21.0%  
Extinguishing Media: Foam, alcohol foam, CO<sub>2</sub>, dry chemical, water fog.

Method used: TCC

SPECIAL FIREFIGHTING PROCEDURES: Keep containers in storage cool with water to prevent pressure build up and bursting. Self-contained breathing apparatus should be worn to protect firefighters from toxic degradation products.

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UNUSUAL FIRE AND EXPLOSION HAZARDS: Dry nitrocellulose resin is extremely flammable and burns explosively. Avoid friction and impact to any quantity of dry resin. Burning rate increases with quantity and confinement. Toxic degradation products include oxides of nitrogen, CO and CO<sub>2</sub>. Dense toxic smoke is formed when material burns.

## SECTION V: REACTIVITY DATA

STABILITY: stable

CONDITIONS TO AVOID: Heat, sparks, flames and other sources of ignition. Avoid allowing unmodified resin to become dry, avoid friction and impact.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, acids, bases, and amines.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of nitrogen, carbon monoxide, carbon dioxide and other toxic gasses.

HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION VI: HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Headache, lethargy, drowsiness, weakness, difficulty walking, personality change, poor appetite, nausea and weight loss. Prolonged exposure to vapors in concentrations in excess of TLV can cause damage to kidneys, blood and nervous system.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Liquid may cause eyes to become irritated, prolonged exposure to skin may cause drying and cracking.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Prolonged absorption of material through skin could cause damage to blood, kidneys and nervous system.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Headache, lethargy, drowsiness, weakness, difficulty walking, personality change, poor appetite, nausea and weight loss.

HEALTH HAZARDS (ACUTE AND CHRONIC): Vapor irritating to eyes, nose and throat. Liquid irritating to eyes and skin. Prolonged and repeated exposure to vapor concentrations in excess of TLV or through prolonged absorption through skin may cause damage to blood, kidneys and nervous system.

CARCINOGENICITY: NTP?- NO IARC MONOGRAPHS?- NO OSHA REGULATED? -NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY AND FIRST AID PROCEDURES:

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration. Give oxygen if breathing is difficult. Get professional medical attention immediately.

**Eye or skin contact:** Immediately flush with plenty of fresh water. Remove contaminated shoes and clothing. Get medical attention.

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## SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Immediately eliminate all possible sources of ignition. Use an appropriate absorbent. Large spills may be flushed into a suitable containment area with water. Do not use ferrous tools to scrape material from floor or other surfaces. See below.

**WASTE DISPOSAL METHOD:** Disposal of this material is regulated by federal, state, and local hazardous waste regulations. Please consult appropriate agencies for current information. Hazardous liquids must be incinerated, any solid absorbent or residual material recovered from a spill must be disposed of in accordance with local, county, state, and federal regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Keep containers tightly closed, cool, dry and away from sources of heat, sparks, and ignition. Remember; dry nitrocellulose is extremely flammable; avoid accumulating large quantities of dry resin. Dry resin may ignite from sparks, flame, friction or impact. Use with adequate ventilation

**OTHER PRECAUTION:** Use only non-sparking tools.

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## SECTION VIII: CONTROL MEASURES

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**REPIRATORY PROTECTION:** Use a NIOSH approved cartridge respirator for vapor concentrations above time weighted average TLV.

**VENTILATION:** Mechanical or supplemental local exhaust may be required to keep vapor concentrations below TLV.

**PROTECTIVE GLOVES:** Chemical resistant gloves and apron are recommended.

**EYE PROTECTION:** Face shield or goggles required. Eye wash and safety shower in the working area are recommended.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Chemical resistant apron. Conductive sole shoes. Clothing of cotton or other fabric not prone to static build up are all recommended.

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## SECTION IX: DISCLAIMER

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To the best of our knowledge the above statements are true. We cannot anticipate every condition of use, or control how our products are handled outside our plant. Therefore, the above statements do not express or imply any warrant, or guarantee of accuracy or applicability. Please consult local, state, and federal agencies for current regulatory status of material.