



SECTION 1 IDENTIFICATION

Product Name Derbiflash RS Cleaner
Recommended Use Cleaner for PMMA membranes
Manufacturer DERBIGUM Americas, Inc
Address 4821 Chelsea Avenue
Kansas City, MO 64130
Phone Number (800) 727-9872
Emergency Number (800) 424-9300 (CHEMTREC)

SECTION 2 HAZARDS

GHS Classification Flammable Liquid: Category 2
Skin Irritation: Category 2
Skin Sensitization: Category 1
STOT: Single Exposure: Respiratory Tract Irritation; Category 3

Hazard Pictographs



Signal Word

DANGER

Hazard Statements

H225 - Highly flammable liquid and vapor
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

Precautionary Statements

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from open flames - NO SMOKING
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting/... equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P362 - Take off contaminated clothing and wash before reuse.
P264 - Wash hands, forearms and face thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear gloves/protective clothing/eye protection/face protection.

Response

P301 + P312 + P330 If swallowed: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P303+P361+P353 - If on skin (or hair), Take off immediately all contaminated clothing. Rinse skin with water/shower
P304 + P340 + P312 If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.



SECTION 2 HAZARDS

Response P305+P351+P338 - If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 If eye irritation persists: Get medical advice/attention.
P370+P378 - In case of fire: Use carbon dioxide (CO2), foam, dry extinguishing powder to extinguish

Storage P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P235 Keep cool.
P405 Store locked up.

Disposal P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

SECTION 3 COMPOSITION

Chemical Composition

COMPONENT	CAS NUMBER	PERCENT BY WEIGHT
Methyl acetate	79-20-9	80 - 100

Note: The above components and their percentages are provided for health and safety purposes, ONLY. This document should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

SECTION 4 FIRST AID MEASURES

Eyes If foreign matter enters eyes, immediately flush with large amounts of potable water for at least 15 minutes or until irritation subsides. Get medical attention if irritation persists.

Skin Wash with plenty of soap and water. Remove all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical attention.

Inhalation Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, give oxygen. Get medical attention.

First-Aid, Ingestion Do NOT attempt to induce vomiting. Danger of aspiration. Induce drinking plenty of water in small portions. Get medical attention immediately. Show label if possible.

Symptoms, Acute & Delayed Immediate Medical Attention *Refer to Section 11 - Toxicological Information*
All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials

SECTION 5 FIRE FIGHTING MEASURES

Fire Hazard	Highly flammable liquid and vapor
Flash Point	57.2°F (14°C) (MMA Closed Cup) LEL: 16% UEL: 3.1%
Hazardous Products of Combustions	CO, CO ₂ , Nitrogen oxides, hydrocarbons, black smoke and methacrylic acid fumes.
Extinguishing Media	Water-mist , carbon dioxide , dry chemical or alcohol-resistant foam
Firefighting instruction	Vapor may cause flash fire. Vapors are heavier than air and may travel along the ground, be moved by ventilation systems, settle in pits or low areas, and be ignited by ignition sources distant from the handling point. Consider possible formation of explosive mixtures with air, for example in uncleaned containers. Never use welding or cutting torch on or near any container of this material, even if empty, because an explosion could occur.
Explosion Hazard	May form flammable/explosive vapor-air mixture.
Protection Gear	Do not enter fire area without proper equipment, including respiratory protection.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective clothing to avoid eye and skin contact. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental Precautions	Avoid release into the environment. Report releases as required by local, state and federal authorities.
Method and Materials for Containment & Clean Up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite). Shut off all sources of ignition. Keep people away. Eliminate sources of ignition. Minimize skin contact and avoid breathing vapors. Ventilate confined spaces. Keep product out of sewers and waterways by diking or impounding. Dispose of in an approved facility, <i>see Section 13, Disposal Considerations.</i>

SECTION 7 HANDLING AND STORAGE

Handling	Use this product with adequate ventilation. Material is COMBUSTIBLE . Material requires electrical grounding during material transfer process to prevent fire or explosion risk from static accumulation and discharge. All electrical equipment in storage and handling areas should be installed per NFPA requirements. Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. <i>Use personal protective equipment as described in Section 8.</i>
Storage	Store in a dry, cool and well-ventilated place and away from sources of ignition. Keep containers tightly closed when not in use. DO NOT STORE NEAR HEAT, SPARKS, FLAME, OTHER SOURCES OF IGNITION OR STRONG OXIDIZERS. Keep only in original container.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	NIOSH
Methyl acetate	79-20-9	610 mg/m ³ TWA	610 mg/m ³ TWA 760 mg/m ³ (STEL)	610 mg/m ³ TWA 760 mg/m ³ (STEL)

**Engineering Measures/
Controls**

Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

General Industrial Hygiene

Use good industrial hygiene practices in handling this material.

**Environmental Exposure
Controls**

Follow best practice for site management and disposal of waste.

PERSONAL PROTECTIVE EQUIPMENT

Pictographs



Eyes/Face

Safety glasses with side shields

Follow the national guidelines concerning the use of protective eye wear.

Hand

Protective Gloves

Leather or cotton gloves may be worn to prevent skin contact and irritation.

Skin/Body

Normal work clothing (long sleeved shirts, long pants and smooth bottom work shoes) is recommended.

Inhalation

Use NIOSH or MSHA approved respiratory protective equipment when airborne exposure limits are exceeded.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	colorless
Odor	pleasant
Odor Threshold	No data available
pH	3.9; Concentration: 295 g/l (20 °C)
Relative Evaporation Rate	No data available
Melting point	-144 °F (-98 °C)
Boiling Point	131 - 134 °F (55 - 57 °C) at 1013 hPa
Freezing Point	No data available
Flash Point	71.6°F
Auto-ignition Temperature	941 °F (505 °C)
Decomposition Temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	782 hPa at 122 °F (50 °C) 220 hPa at 68 °F (20 °C)
Specific Gravity	No data available
Solubility in Water	239 g/l at 68 °F (20 °C)
Viscosity	No data available
VOC	5 g/L

ABBREVIATION KEY

OSHA = Occupational Safety & Health Administration
 NIOSH = National Institute for Occupational Safety
 ACGIH = American Conference of Governmental Industrial Hygiene
 MSHA = Mine Safety and Health Administration

PEL = Permissible Exposure Level
 TLV = Threshold Limit Value
 TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

SECTION 10 STABILITY AND REACTIVITY

General Information	Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces.
Conditions to Avoid	Static charge/discharge, formation of vapours/aerosoles, sources of ignition.
Materials to avoid	Oxidizing agents, Strong acids and bases
Hazardous Polymerization	Does not occur
Hazardous Decomposition	During a fire, irritating/toxic gases such as: carbon monoxide, carbon dioxide, nitrogen oxides, hydrocarbon by-products and black smoke

SECTION 11 TOXICOLOGICAL INFORMATION

Component Analysis

COMPONENT	CAS NUMBER	ORAL LD50 (mg/kg)	DERMAL LD50 (mg/kg)	INHALATION LC50 (mg/L)
Methyl acetate	79-20-9	> 6,482 (rat)	>2,000 (rabbit)	>49.2, 4 h (rat)

POTENTIAL HEALTH EFFECTS

Eyes

Acute (Immediate) Symptoms may include stinging, tearing, redness, swelling and blurred vision
Chronic (Delayed) Causes serious eye irritation

Skin

Acute (Immediate) Prolonged skin contact may cause cause redness and pain
Chronic (Delayed) No data available

Inhalation

Acute (Immediate) May cause respiratory irritation. May cause drowsiness or dizziness.
Chronic (Delayed) No adverse effects due to inhalation are expected

Ingestion

Acute (Immediate) Gastrointestinal symptoms, including upset stomach
Chronic (Delayed) No data available

Carcinogenicity

No component of this product is identified as possible human carcinogen

Reproductive Toxicity

Based on available data, the classification criteria are not met

Teratogenicity

Based on available data, the classification criteria are not met

Mutagenicity

Based on available data, the classification criteria are not met

Aspiration Hazard

Based on available data, the classification criteria are not met.

STOT Single Exposure

STOT RE Hazard Category 3; Central nervous system; Narcotic effects

STOT Repeated Exposure

Based on available data, the classification criteria are not met.

ABBREVIATION KEY

LD₅₀ = Lethal dose, 50 percent
 IARC = International Agency for Research on Cancer
 ACGIH = American Conference of Governmental Industrial Hygiene

LC₅₀ = Lethal concentration, 50 Percent
 NTP = National Toxicology Program
 STOT = Specific Target Organ Toxicity



SECTION 12 ECOLOGICAL INFORMATION

Eco toxicity

COMPONENT	CAS NUMBER	FISH LC50 (mg/L)	DAPHNA EC50 (mg/L)	ALGAE EC50 (mg/L)
Methyl acetate	79-20-9	250 - 350 (zebra fish) 96 Hours	>1,027 (Water flea) 48 Hours	>120 (algae) 72 hours

Persistence & Degradability

Readily biodegradable

Bioaccumulative potential

No adverse effects expected.

Soil Absorption/Mobility

The partition coefficient soil/water (logKoc: 0.18) indicates a very high mobility in soil.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

Recommendation

Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14 TRANSPORT INFORMATION

Classification (TDG & DOT)

3 Flammable liquids

Identification Number

UN1231

Shipping name

Methyl acetate

Packaging group

II

SECTION 15 REGULATORY INFORMATION

TSCA Inventory

Components are listed

DSL Inventory

Components are listed

CERCLA

This material does not contain any CERCLA regulated chemicals.

Sara 311/312 Categories

Fire Hazard; Acute health Hazard

Sara 313

This material does not contain any SARA 313 chemicals above de minimus levels.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489): **methyl acetate (79-20-9) 80 - 100 %**

ABBREVIATION KEY

LC50 = Lethal concentration, 50 Percent

DOT = Department of Transportation

TSCA = Toxic Substances Control Act

CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act

EC50 = Effective concentration, 50 Percent

TGA = Therapeutic Goods Administration

DSL = Domestic Substances List (Canada)

SARA = Superfund Amendments and Reauthorization Act



SECTION 15 REGULATORY INFORMATION

CA Proposition 65

WARNING! This product contains acetaldehyde (75-07-0) a chemical known to the State of California to cause cancer. This product contains Methanol (67-56-1) a chemical known to the State of California to cause birth defects or other reproductive harm.

Right to Know States

COMPONENT	CAS NUMBER	CA	MA	MN	NJ	PA	RI
Methyl acetate	79-20-9	Yes	Yes	Yes	Yes	Yes	Yes

SECTION 16 OTHER INFORMATION

Preparation Date

April 2020

Summary of Changes

New product

Disclaimer

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