

SAFETY DATA SHEET

Section 1: Identification

Product Name: MedSchenker™ Polypropylene Disposable Culture Tube

Company: Vectornate USA Inc, 10 Industrial Ave, Suite 4, Mahwah, NJ, 07430.

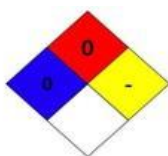
In an emergency call 911.

For information about this SDS, use this department contact phone#: +1 201 482 9835 or email to info@vectornate.com

Section 2: Hazard(s) Identification

See <https://www.sigmaaldrich.com/safety-center/globally-harmonized.html> for a list of hazard classifications, signal words, hazard statements, pictograms, precautionary statements, and a description of hazards.

Hazard Classification: This product is not classified under a globally harmonized system (GHS).



HMIS

Health Hazard	0
Fire Hazard	0
Reactivity	0

* NFPA: Health = 0, Flammability = 0, Reactivity = -

* HMIS: Health = 0, Flammability = 0, Reactivity = 0

Hazard Statements: VN has a triple 0 rating for their solution in their UTM others give simple examples such as

- Skin Contact: *Irritant*
- Eye Contact : *irritant*

Pictograms:



Section 3: Composition/ Information on Ingredients

1. Chemical characterization: Polypropylene
2. Description: Mixture consisting of the following components.

Chemical Name	Synonym	CAS#	Conc.
Polypropylene	Ethylene Polymers	9002-88-4	≥99.5%
Additive			≤1%

Section 4: First-Aid Measures

After skin contact: In case of contact with substance, immediately flush eyes with running water at least 20 minutes. Get immediate medical advice/attention

After eye contact: Flush eyes thoroughly with water at full. If effects occur, consult a physician.

After inhalation: Move person to fresh air. If effects occur, consult a physician.

After ingestion: If swallowed seek medical attention.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Carbon dioxide fire extinguishers, Dry chemical fire extinguishers, Foam, Water fog or fine spray.

Specific hazards arising from the chemical : During a fire, smoke contain the original material in addition to combustion products of varying composition, which may be toxic or causing irritation.

Special protective equipment for firefighters and precautions for firefighter: Keep people away, Cool surroundings with water to localize the zone, Handheld dry chemical or CO2 extinguisher which may be used for small fires

Section 6: Accidental Release Measures

Personal precautions, Protective Equipment and Emergency Procedures: Isolate the hazard area, use appropriate safety equipment, Ensure adequate ventilation.

Measures for environmental protection: Prevent from entering the soil, ditch, sewers, waterways, or groundwater.

Measures for cleaning/collecting: Sweep Up and collect in suitable containers.

Section 7: Handling and Storage

Handling: Wash your hands thoroughly after handling. Please work with reference to engineering controls and personal protective equipment. Be careful to high temperature.

Storage: Store in accordance with good manufacturing practice.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure limits

ACGIH regulation: Not available

Biological exposure index: Not available

OSHA regulation: Not available

NIOSH regulation: Not available

EU regulation: Not available

Other:

Slovak Republic: TWA=5mg/m³ (total solid aerosol)

Latvia: TWA= 5mg/m³ (dust, listed under Polymers dust)

China: TWA= 5mg/m³ (total dust), STEL= 10mg/m³ (total dust)

Appropriate Engineering controls: Good general ventilation should be adopted; Local exhaust ventilation may be necessary for some operations.

Individual Protection Measures:

Breathing equipment: N/A

Protection of hands: Disposable Rubber Gloves.

Eye protection: Safety Glasses.

Body protection: N/A.

Hand protection: Wear appropriate protective gloves (insulated gloves) by considering physical and chemical properties of chemicals.

Section 9: Physical and Chemical Properties

Appearance: Solid

Color: Ivory white

Odor: Odorless.

Odor threshold: N/A

pH: N/A

Melting point/ Freezing point: 100°C~115°C

Boiling point/boiling range: N/A

Flash point: 221°C

Evaporation rate: N/A

Flammability(Solid, Gas): N/A

Danger of explosion: No explosion hazard

Decomposition temperature: N/A

Viscosity: N/A

Upper and Lower flammability or explosive limits: N/A

Vapor pressure: N/A

Vapor density: N/A

Relative density: 0.92~0.95g/cm³ (25°C)

Solubility: Soluble in organic solvents above 93°C

Partition coefficient n-octanol/water: Log K_{ow}=17.04

Auto ignition temperature: 435°C

***Note:** The physical data presented above are typical values and should not be construed as specification

Section 10: Stability and Reactivity

Reactivity: Stable under normal conditions. No dangerous reaction under conditions of normal use.

Chemical stability: Thermal decomposition / conditions to be avoided.

Conditions to avoid: Keep away from heat/sparks/open flames/hot surfaces.

Incompatible materials: Combustion materials, Irritating, Toxic gases.

Hazardous decomposition products: No dangerous decomposition products known.

Section 11: Toxicological Information

The product is not subject to OSHA classification according to internally approved. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Information on the likely routes of exposures:

Inhalation Exposure: Dust inhalation may cause cough

Ingestion Exposure: N/A

Skin and eye exposure: N/A

Delayed and immediately effects and chronic effects from short- and long-term exposure

Acute toxicity: N/A

Oral: Rat, LD50 >2,000 mg/kg bw.

Dermal: N/A

Inhalation: N/A

Skin corrosion/irritation: Not classified.

In test on skin irritation with rabbits, mild skin irritations were observed.(irritating index : 0.2)

Serious eye damage/irritation: Not classified.

After 24-hour, polyethylene produced a maximum group mean score of 11.7 and was classified as a mild irritant to the rabbit eye, all treated eyes appeared normal at the 72 hour and 7-day observation.

Respiratory sensitization: Not available.

Skin sensitization: Not classified in skin sensation test with guinea pigs, skin observation was not observed.

Carcinogenicity: Not classified.

IARC: Group 3



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ACGIH, NTP, OSHA, EU CLP 1272/2008, US EPA: Not listed.

Mutagenicity: Not classified

In vitro: Reverse mutation test (S. typhimurium) with/without metabolic activation: Negative.

Reproductive toxicity: Not available.

Specific target organ systemic toxicity-single exposure: Not available.

Specific target organ systemic toxicity-repeated exposure: Not classified.

Subchronic or Prechronic Exposure/ In a 90-day study, rats and dogs were fed an extract of low molecular weight PE film; the film had been extracted with isooctane to yield 568 mg extract/100 g of film. Rats fed at a level of 13,500 ppm film extract showed liver changes (fat droplets, cloudy swelling, and increased liver weight) that were considered reversible in all cases. Rats fed at levels of 2700 and 540 ppm and dogs fed 2700 ppm showed no adverse effects.

Aspiration Hazard: Not available.

Numerical measure of toxicity(such as acute toxicity estimate): N/A

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: No further relevant information available.

Mobility: No further relevant information available. **Biodegradation:** No further relevant information available. **Bioaccumulation:** No further relevant information available.

Other Adverse effect: No further relevant information available.

Section 13: Disposal Considerations (non-mandatory)

1. This product is not considered a RCRA hazardous waste. Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements. Smaller quantities can be disposed of with solid waste
2. Uncleaned packaging's:
 - a. Recommendation: Disposal must be made according to state and federal regulations.
 - b. Recommended cleansing agent: Water, if necessary, with cleansing agents

Section 14: Transport Information (non-mandatory)

DOT regulations:

- **Hazard class:** Data not available.
- **Land transport ADR/RID (cross-border):** Data not available.
- **ADR/RID class:** Data not available.
- **Maritime transport IMDG:** Data not available.

Air transport ICAO-TI and IATA-DGR:

- **ICAO/IATA Class:** Data not available.

Section 15: Regulatory Information (non-mandatory)

Safety, health, and environmental regulations specific for the product in question

US Federal Regulations



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OAHS(29 CFR 1910): Not regulated.
CERCLA 103(40CFR302.4): Not regulated.
SARA 302(40CFR355.30): Not regulated.
SARA 304(40CFR355.40): Not regulated.
SARA 313(40CFR372.65): Not regulated.
California Proposition 65: Not regulated

EU Classification:

EU classification: Not determined.

Section 16: Other Information

Vectornate USA Inc provides the information in this document in good faith and believes the information to be accurate. The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. It is the responsibility of the buyer to research and understand safe methods of handling, storing, and disposal of this product. Vectornate USA Inc makes no warranty with respect to such information and assumes no liability for any loss or injury, which may result from the use of this information. It is the buyer's responsibility to comply with local, state, and federal regulations concerning use and disposal of this product.

SDS date of preparation/update: December 30th, 2020

Version: 01

Key literature reference and sources for data:

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans; <http://monographs.iarc.fr>

HSDB; <http://toxnet.nlm.nih.gov/>

NIOSH (The National Institute for Occupational Safety and Health)

ACGIH (American Conference of Governmental Industrial Hygienists)

TOMES-LOLI®; <http://www.rightanswerknowledge.com/loginRA.asp> National Emergency

Management Agency-Korea dangerous material inventory management system;_

<http://www.nema.go.kr/hazmat/main/main.jsp>

Waste Control Act enforcement regulation attached [1]

National chemicals information systems ; <http://ncis.nier.go.kr>

Abbreviations

- ACGIH: American Conference of Governmental Industrial hygienists
NIOSH: The National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
- IARC: International Agency for Research on Cancer
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ICAO/IATA: International Civil Aviation Organization/
International Air Transport Association
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

Other

- Product should be handled, stored, and used in accordance with the generally accepted industrial hygiene practices and in conformity with all the applicable legal regulations.
- The information provided herein is based on the knowledge possessed at this present time from the viewpoint of safety requirements.
- It should, therefore, not be construed as guaranteeing specific properties.



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