



a member of the Roche Group

Material Safety Data Sheet

Material Name: Control Slides

MSDS ID: VEN-131

***** Section 1 - Chemical Product and Company Identification*****

Manufacturer Information

VENTANA MEDICAL SYSTEMS INC.
1910 E. Innovation Park Drive
Tucson, AZ 85755
Phone: (520) 887-2155

EMERGENCY TELEPHONE NUMBER:
(800) 424-9300 (USA/Canada)
CHEMTREC: +1 (703) 527-3887 (International)

Material Name: Control Slides

Trade Names/Synonyms

Pathway Her2 4 in 1 Control Slides; HPV Family 6 System Control Slides; HPV 3 in 1 System Control Slides; Her2 3 in 1 Xenograft Control Slides; EGFR ISH Xenograft Control Slides; TOP2A ISH Xenograft Control Slides; MET ISH Xenograft Control Slides; HER2 Dual ISH 3 in 1 Xenograft Slides; HPV Family 16 System Control Slides; EBER Positive Specimen Slides; Kappa Positive Specimen Slides; Lambda Positive Specimen Slides; C-Met 4 in 1 Control Slides; MUC1 2 in 1 Control Slides; ALK 2 in 1 Controls Slides.

Product Number(s)

781-2991, 05273510001, 782-2839, 05273528001, 783-2219, 05273587001, 783-4332, 05276101001, 783-4343, 05276110001, 783-4348, 05584965001, 783-4372, 05575303001, 783-4458, 05994977001, 784-4144, 05276136001, 801-2842, 05278953001, 801-2843, 05278961001, 801-2844, 05278970001, 781-4430, 06360882001, 781-4574, 06360904001, 781-7946, 06687237001, 781-4796, 06687237001

Product Use

clinical/research

***** Section 2 - Hazards Identification*****

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Substance/Preparation Classification

This material is not classified.

EMERGENCY OVERVIEW

Physical Form: solid

Major Health Hazards: No significant target effects reported.

POTENTIAL HEALTH EFFECTS

Inhalation

Short Term: no information on significant adverse effects

Long Term: no information on significant adverse effects

Skin

Short Term: no information on significant adverse effects

Long Term: no information on significant adverse effects

Eye

Short Term: no information on significant adverse effects

Long Term: no information on significant adverse effects

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Ingestion

Short Term: gastrointestinal irritation

Long Term: no information on significant adverse effects

OSHA Regulatory Status

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

*** Section 3 - Composition/Information on Ingredients***

| CAS # | Component / EU Number | Percent | Symbol(s) | Risk Phrase(s) |
|---------------|--------------------------------|---------|-----------|----------------|
| Not Available | Glass (microscope slides) | >1 | --- | --- |
| Not Available | Paraffin embedded fixed tissue | >1 | --- | --- |

*** Section 4 - First Aid Measures***

Inhalation

It is unlikely that first aid will be required.

Skin

It is unlikely that first aid will be required.

Eyes

It is unlikely that first aid will be required.

Ingestion

If swallowed, get medical attention. DO NOT induce vomiting.

*** Section 5 - Fire-Fighting Measures***

See Section 9 for Flammability Properties

Flammable Properties

Negligible fire hazard.

Extinguishing Media

Use extinguishing agents appropriate for surrounding fire.

Unsuitable Extinguishing Media

None known.

Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products.

Sensitivity to Mechanical Impact

Not sensitive

Sensitivity to Static Discharge

Not sensitive

*** Section 6 - Accidental Release Measures***

Occupational Spill/Release

Collect spilled material in appropriate container for disposal.

*** Section 7 - Handling and Storage***

Handling Procedures

Wash thoroughly after handling.

Storage Procedures

Store in accordance with all current regulations and standards. Store between 15 C and 25 C.

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*** Section 8 - Exposure Controls/Personal Protection***

Exposure Limits

ACGIH, NIOSH, OSHA, EU, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Japan, Netherlands, Portugal, Spain, Sweden, and United Kingdom have not developed exposure limits for any of the substances in this preparation.

Ventilation

Based on available information, additional ventilation is not required.

PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face

Eye protection not required under normal conditions.

Protective Clothing

Protective clothing is not required under normal conditions.

Glove Recommendations

Protective gloves are not required under normal conditions.

Respiratory Protection

No respirator is required under normal conditions of use.

*** Section 9 - Physical and Chemical Properties***

| | | | |
|--------------------------------------|----------------|--------------------------------|----------------|
| Physical State: | Solid | Appearance: | Not available |
| Physical Form: | solid | Odor: | Not available |
| Odor Threshold: | Not available | Melting/Freezing Point: | Not available |
| Boiling Point: | Not available | Flash Point: | Not available |
| Decomposition: | Not available | LEL: | Not available |
| UEL: | Not available | Vapor Pressure: | Not applicable |
| Vapor Density (air = 1): | Not applicable | Density: | Not available |
| Specific Gravity (water = 1): | Not available | Water Solubility: | Not available |
| Log KOW: | Not available | Coeff. Water/Oil Dist.: | Not available |
| Auto Ignition: | Not available | | |

*** Section 10 - Stability and Reactivity***

Chemical Stability

Stable at normal temperatures and pressure.

Conditions to Avoid

None known.

Materials to Avoid

None known.

Decomposition Products

miscellaneous decomposition products

Possibility of Hazardous Reactions

Will not polymerize.

*** Section 11 - Toxicological Information***

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

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RTECS Acute Toxicity (selected)

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

Irritation/Corrosivity

RTECS Irritation

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

Carcinogenicity

Component Carcinogenicity

None of the substances in this preparation are listed by ACGIH, OSHA, NIOSH, NTP, IARC, Austria, Belgium, Denmark, France, Germany, Ireland, Italy, Netherlands, Portugal, Spain, Sweden, or United Kingdom.

Mutagenic

No data available.

Reproductive Effects

No data available.

Tumorigenic

No data available.

Medical Conditions Aggravated by Exposure

None known.

* * * Section 12 - Ecological Information * * *

Component Analysis - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Mobility

No data available.

Persistence & Degradation

No data available.

Bioaccumulative Potential

No data available.

* * * Section 13 - Disposal Considerations * * *

Disposal Methods

Dispose in accordance with all applicable regulations.

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

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*** Section 14 - Transport Information***

US DOT Information

Not regulated.

TDG Information

Not regulated.

ADR Information

Not regulated.

RID Information

Not regulated.

IATA Information

Not regulated.

ICAO Information

Not regulated.

IMDG Information

Not regulated.

*** Section 15 - Regulatory Information***

U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA 311/312

Acute Health: No **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

California Proposition 65

Not regulated under California Proposition 65

Canadian Regulations

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS Classification

Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

European Regulations

This preparation has been classified for the European Union according to Annex VI Directives 67/548/EEC and 99/45/EC.

EU Marking and Labelling

This material is not classified

Japanese Regulations

Japan Designated Chemical Substances (PRTR Law)

No components of this material are subject to reporting requirements as specified by the "Law Concerning Reporting, etc. of Releases to the Environment of Specific Chemical Substances and Promoting Improvements in Their Management" nor are they included in the "Pollutant Release and Transfer Register (PRTR)" of designated chemicals.

Japan Poisonous and Deleterious Substances

No components of this material are specified as poisonous or deleterious substances, as regulated by Japan under the Poisonous and Deleterious Substances Control Law.

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Industrial Safety and Health Law - Flammable Materials

No components of this material are specifically identified in Table 6-2 of the Enforcement Order of the Industrial Safety and Health Law which, if used in the workplace, require designation of an Operations Chief during confined space work and periodic machine inspections.

Industrial Safety and Health Law - Label Disclosure

No components of this material are specifically required to be indicated on a container label as specified by Article 18 of the Enforcement Order of the Industrial Safety and Health Law.

Industrial Safety and Health Law - Organic Solvents

No components of this material are specifically identified in Table 6-2 of the Enforcement Order of the Industrial Safety and Health Law which, if used in the workplace, require designation of an Operations Chief during confined space work and periodic machine inspections.

* * * Section 16 - Other Information * * *

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Other Information

Limitations: The information and recommendations set forth in this MSDS are believed to be correct as of this date. Ventana Medical Systems, Inc. makes no warranty with respect to the content of this MSDS and disclaims all liability from reliance thereon.

New MSDS: 7/20/2011

Updated MSDS: 04/10/2012

End of Sheet VEN-131