SECTION 1 Identification

1.1 Product Identifier

Product form : Mixture
Product name : Vet Slide Stain Solution #3 Blue
Product code : #10146, #10147, #10148

1.2 Other means of identification

Synonyms: Veti-Slide Stain Solution #3 Blue

1.3 Recommended use of the chemical and restrictions on use

Use of the substance/mixture : For laboratory and manufacturing use only, For professional use only

1.4 Supplier's details

Kacey Inc dba Kacey Diagnostics

1864 A Hendersonville Rd. Box 112

Asheville, NC 28803

828.301.6550

www.kacediagnostics.com

1.4 Emergency phone number

Emergency number: Chemtrec 1.800.424.9300 USA - 24 hours/Day, 7 Days/week

SECTION 2 Hazard Identification

2.1 Classification of the substance or mixture

GHS US classification

Not classified

2.2. Label elements

GHS US labeling

No labeling applicable

2.3 Hazards associated with known or reasonably anticipated uses

No additional information available

2.4 Hazards not otherwise specified

No additional information available

2.5 Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	Conc.	GHS US classification
Water	Cas - No.: 7732-18-5	≥ 95	Not classified
Potassium phosphate, nonobasic	CAS-No.:7778-77-0	< 1	Not classified
Sodium phosphate, dibasic	CAS-No.:7558-79-4	< 1	Not classified
Sodium azide	CAS-No.: 26628-22-8	< 1	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Ihhalation), H330 Acute Tox. 2 (Inhalation, dust, mist), H330, Aquatic Acute 1, H400, Aquatic Chronic 1 H410
Methylene Blue	CAS-No.: 61-73-4	< 1	Acute Tox. 4 (Oral), H302
Azure A	CAS-No.: 531-53-3	< 1	Not classifed

Full text of hazard classes and H-statement : see section 16

SECTION 4 First aid measures

4.1 Description of necessary first-aid measures

First-aid measures general : If you feel unwell, seek medical advice.

Frist-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

Frist-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison/doctor/physician if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this ma terial is expected to be an inhalation hazard.

Symptoms/effects after skin contact : None under normal conditions.

Symptoms/effects after eye contact : None under normal conditions.

Symptoms/effects after ingestion : None under normal conditions.

4.3 Indication of Immediate medical attention and special treatment needed. if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spry. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Specific hazards arising from the chemical

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3 Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedure

General measures : Stop leak if safe to do so.. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

6.61.1 For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area.

6.1.2 For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8. “Exposure controls/personal protection”.

Emergency procedures : Evacuate unnecessary personnel. Stop leak if sale to do so.

6.2 Environmental precautions : Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid resideues at the authorized site.

For further information refer to section 13

SECTON 7 Handing and storage

7.1 Precaution for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the products.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2 Conditions for safe storage, including incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep cool. Protect from sunlight.

Packaging materials : Store always product in container of the same material as original container.

SECTON 8 Exposure controls/personal protection

8.1 Control parameters

Sodium azide (26626-22-8)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL C	0.29 mg/m³
	0.11 ppm

8.2 Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environment exposure controls : Avoid release to the environment.

8.3 Individual protection measures, such as personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9 Physical and chemical properties

9.1 Basic physical and chemical properties

Physical state : Liquid
Color : No data available
Odor : No data available
Odor threshold : No data available
pH : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Flammability (solid, gas) : Not applicable
Vapor pressure : No data available
Relative vapor density at 20° C : No data available
Relative density : No data available
Solubility : Water, Solubility in water of component(s) of the mixture : Potassium phosphate, monbasic: 21 g/100ml, sodium azide: 41 g/100ml, Methylene Blue : 4.4 g/100ml
Partition coefficient n-octanol/water (Log Pow) : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available

Personal protective equipment symbol(s):

Viscosity, kinematic : No data available
Explosion limits : No data available
Particle characteristics : No data available
Explosion limits : No data available
Oxidizing properties : No data available

Potassium phosphate, nonobasic	
Boling point	> 450 °C (1013 hPA, EU Method !.2: Boiling point)
Flash point	Not applicable (solid)
Auto-ignition temperature	Not applicable
Vapor pressure	< 0.01 hPa (25 °C, EU Method A4: Vapor Pressure)
Particle	No data available

Sodium azide	
Boiling point	Not applicable (decomposes)
Flash point	Not applicable (solid)
Auto-ignition temperature	309 - 340 °C (EU Method A.16: Relative Self-ignition Temperature for Solids, T2)
Vapor pressure	Not applicable (solid)
Particle characteristics	No data available

Methylene Blue	
Flash point	Not applicable
Boiling point	Not applicable (solid)
Auto-ignition temperature	Not applicable
Vapor pressure	< 0.01 hPa (25 °C)

9.2 Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Potassium phosphate, monbasic (7778-77-0)	
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female. Experimental value, Dermal. 14 day(s)
LC50 Inhalation - Rat	> 0.83 mg/l air (EPA OPP 81-3): Acute Inhalation Toxicity, 4h, Rat, Male / Female, Experimental valu, inhalation (dust), 14 day(s))

Sodium azide (26628-22-8)	
LD50 oral rat	27 mg/kg body weight (Rat, Experimental value, Oral)
LD50 dermal rabbit	19-48 mg/kg body weight (Rabbit, Inconclusive, insufficient data, Dermal)
LC50 Inhalation- Rat	0.05 - 0.52 mg/l (EPA OPPTS 870, 1300: Acute inhalation Toxicity, 4h, Rat, Male/female. Experimental value, Inhalation (dust), 14 day(s))
ATE US (oral)	27 mg/kg body weight
ATE US (dermal)	19 mg/kg body weight
ATE US (gases)	100 ppmV/4h
ATE US (vapors)	0.05 mg/l/4h
ATE US (dust, mist)	0.05 mg/i/4h

Methylene Blue (61-73-4)	
LD50 oral rat	1180 mg/kg (Rat, Oral)
ATE US (oral)	1180 mg/kg body weight

Skin corrosion/irritation : Not classified

Potassium phosphate, monobasic (7778-77-0)	
pH	4.5(1%)

Sodium azide (26628-22-8)	
pH	No data available in the literature

Methylene Blue (61-73-4)	
pH	4 (1%)

Serious eye damage/irritation: Not classified

Potassium phosphate, monobasic (7778-77-0)	
pH	4.5 (1%)

Sodium azide (26628-22-8)	
pH	No data available in the literature

Methylene Blue	
pH	4 (1%)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified
STOT - single exposure : Not classified
STOT - repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, Kinematic : No data available

Potassium phosphate, monbasic (7776-77-0)	
Viscosity, kinematic	Not applicable available
Sodium azide (26628-22-8)	
Viscosity, kinematic	Not applicable (solid)
Methylene Blue (61-73-4)	
Viscosity, kinematic	Not applicable
Water (7732-18-5)	
Viscosity, kinematic	No data available

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : None under normal conditions
Symptoms/effects after ingestion : None under normal conditions

12 Ecological information

12.1 Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Potassium phosphate. monobasic (7779-77-0)	
LC50 Fish (1)	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h,, Oncorhynchus mykiss, Semi-
EC50 - Crustacea (1)	> 100 mg/l (OECD 202: Daphnia sp, Acute Immobilization Test, 48 h, Daphnia magna,
ErC50 algae	> 100 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh

Sodium azide (26628-22-8)	
LC50 - Fish (1)	2.75 - 3.28 mg/l (Equivalent or similar to QECD 203, 96 h, Oncorhynchus mykiss, Flowthrough system, Fresh water, Experimental value)
EC50 96h - Algae (1)	0.35 mg/l (Equivalent or similar to OECD 201, Pseudokirchneriella subcapi-tata, Static system, Fresh water, Experimental value, Cell numbers)

Methylene Blue (61-73-4)	
LC50 - Fish (1)	2.75 - 3.28 mg/l (Equivalent or similar to QECD 203, 96 h, Oncorhynchus mykiss, Flowthrough system, Fresh water, Experimental value)
EC50 96h - Algae (1)	0.35 mg/l (Equivalent or similar to OECD 201, Pseudokirchneriella subcapi-tata, Static system, Fresh water, Experimental value, Cell numbers)

12.2 Persistence and degradability

Veti-Slide Stain Solution #3

Persistence and degradability — Not rapidly degradable

Potassium phosphate, monobasic (7778-77-0)

Persistence and degradability — Biodegradability: not applicable

Potassium phosphate, monobasic (7778-77-0)	
Persistence and degradability	Biodegradability: not applicable
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

Sodium phosphate, dibasic (7556-79-4)	
Persistence and degradability	Not rapidly degradable

Sodium azide (26628-22-8)	
Persistence and degradability	Biodegradability: not applicable
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

Water (7732-18-5)	
Persistence and degradability	Not rapidly degradable

Methylene Blue (61-73-4)	
Persistence and degradability	Not rapidly degradable

Azure A (531-53-3)	
Persistence and degradability	Not rapidly degradable

12.3 Bioaccumulative potential

Potassium phosphate, monobasic (7778-77-0)	
Bioaccumulative potential	Not bioaccumulative

Sodium azide (26628-22-8)	
Bioaccumulative potential	Not bioaccumulative

Methylene Blue (61-73-4)	
Partition coefficient n-octanol/water (Log Pow)	0.75 (Estimated value, KOWWIN)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4 Mobility in soil

Potassium phosphate, monobasic (7778-77-0)	
Surface tension	No data available in the literature
Ecology - soil	No (test) data on mobility of the substance available

Sodium azide (26628-22-8)	
Surface tension	No data available (test not performed)
Organic Carbon Normalized Absorption Coefficient (Log Koc)	2.63 (Lob Koc, Calculated value)
Ecology - soil	Low potential for absorption in soil.

Methylene Blue (61-73-4)	
Organic Carbon Normalized Absorption Coefficient (Log Koc)	3.901 (Log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology- soil	Low potential for mobility in soil.

12.5 Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Disposal of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

Additional information : Do not re-use empty containers.

SECTION 14 Transport information

In accordance with DOT /TDG / IMDG / IATA

14.1 UN number

Not regulated for transport

14.2 UN Proper Shipping Name

Proper Shipping Name (DOT) : Not regulated

Proper Shipping Name (TDG) : Not regulated

Proper Shipping Name (IMDG) : Not regulated

Proper Shipping Name (IATA) : Not regulated

14.3 Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not regulated

TDG
Transport hazard class(es) (TDG) : Not regulated

IMDG
Transport hazard class(es) (IMDG) : Not regulated

IATA
Transport hazard class(es) (IATA) : Not regulated

14.4 Packing group

Packing group (DOT) : Not regulated

Packing group (TDG) : Not regulated

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

14.5 Environmental hazards

Other information : No supplementary information available.

14.6 Special precautions for user

DOT

Not regulated

TDG

Not regulated

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15 Regulatory information

15.1 Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372		
Sodium azide	CAS-No. 26628-22-B	< 1%

Sodium phosphate, dibasic (7558-79-4)	
CERCLA RQ	5000 LB

Sodium azide (26628-22-8)	
CERCLA RQ	1000lb
RQ (Reportable quantity, section 304 of EPA's List of lists	1000lb
SARA Sectin 302 Threshold Planning Quality (TPkQ)	500lb

15.2 International regulations

CANADA

Potassium phosphate, monobasic (7778-77-0)
Listed on the Canadian DSL (Domestic Substances List)

Sodium phosphate, dibasic (7558-79-4)
Listed on the Canadian DSL (Domestic Substances List)

Sodium azide (26628-22-8)
Listed on the Canadian DSL (Domestic Substances List)

Methylene Blue (61-73-4)
Listed on the Canadian DSL (Domestic Substances List)

Water (77372-18-5)
Listed on the Canadian DSL (Domestic Substances Llist)

Azure A (631-53-3)
Listed on the Canadian DSL (Domestic Substances Llist)

EU-Regulations

No additional information available

National regulations

Potassium phosphate, monobasic (7778-77-0)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sodium phosphate, dibasic (7558-79-4)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sodium azide (26628-22-8)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Methylene Blue (61-73-4)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Water (7732-18-5)
Listed on INSQ (Mexican Inventory of Chemical Substances)

15.3 State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	**State or local regulations**
Sodium phosphate, dibasic (7558-79-4)	U.S. - Massachusetts - Right to Know List: U.S. - New Jersy - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Sodium azide (26628-22-8)	U.S. - Massachusetts - Right to Know List: U.S. - New Jersy - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of Hazard classes and H-statements	
H300	Fatal if swallowed
H310	Fatal in contact with skin
H319	Causes serious eye irritiation
H330	Fatal if inhaled

Full text of Hazard classes and H-statements	
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically non-combustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.