

**SECTION 1 Identification****1.1 Product Identifier**

**Product form :** Mixture

**Product name :** Vet Slide Stain Solution #2 Red

**Product code :** #10145, #10147, #10148

**1.2 Other means of identification**

**Synonyms:** Vet-Slide Stain Solution #2 Red

**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

**Restrictions on use :** Not for food, drug or household use

**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	≥ 96	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 (Inhalation), H330 Acute Tox. 2 (Inhalation, dust, mist), H330
Eosin Y	CA-No.: 17372-87-1	< 1	Eye Irrt, 2, H319

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 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.

#### 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.

#### For non-emergency personnel

**Protective equipment :** Wear recommended personal protective equipment.

**Emergency procedures :** Ventilate spillage area.

#### 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.

**Environmental precautions :** Avoid release to the environment.

### 5.2 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 residueues at the authorized site.

For further information refer to section 13

## SECTION 7 Handling 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.

## SECTION 8 Exposure controls/personal protection

### 6.1 Control parameters

Sodium azide (26626-22-8)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL C

 0.29 mg/m<sup>3</sup>

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, monobasic: 21 g/100ml, sodium azide: 41 g/100ml, Eosin Y : 30 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

<b>Potassium phosphate, nonobasic</b>	
Boiling 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: Vapour Pressure)
Particle	No data available

<b>Sodium phosphate, dibasic</b>	
Particale characteristics	No data available

<b>Sodium azide</b>	
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

<b>Eosin Y</b>	
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Particle characteristics	No data available

<b>Water</b>	
Particle characteristics	No data available

## 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).

**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

<b>Potassium phosphate, monobasic (7778-77-0)</b>	
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h,
LC50 Inhalation - Rat	> 0.83 mg/l air (EPA OPP 81-3): Acute Inhalation Toxicity, 4h, Rat,

<b>Sodium azide (26628-22-8)</b>	
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

**Skin corrosion/irritation :** Not classified

<b>Potassium phosphate, monobasic (7778-77-0)</b>	
pH	4.5(1%)
<b>Sodium azide (26628-22-8)</b>	
pH	No data available in the literature

**Serious eye damage/irritation:** Not classified

<b>Potassium phosphate, monobasic (7778-77-0)</b>	
pH	4.5 (1%)
<b>Sodium azide (26628-22-8)</b>	
pH	No data available in the literature

**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

Veti-Slide Stain Solution #2	
Viscosity, kinematic	No data available
Potassium phosphate, monbasic (7776-77-0)	
Viscosity, kinematic	Not applicable available
Sodium phosphate, dibasic (7556-79-4)	
Viscosity, kinematic	No data available
Sodium azide (26628-22-8)	
Viscosity, kinematic	Not applicable (solid)
Eosin Y (17372-87-5)	
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

## SECTION 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.

**Hazardous to the aquatic environment, short-term (acute)**: Not classified

**Hazardous to the aquatic environment, long-term (chronic)** : Not classified

Potassium phosphate	
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, Static system, Fresh water, Experimental value, Locomotor effect)
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 OECD 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 subcapitata, Static system, Fresh water, Experimental value, Cell numbers)

<b>Esosin Y (17372-87-1)</b>	
LC50 Fish (1)	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h,, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea (1)	> 100 mg/l (OECD 202: Daphnia sp, Acute Immobilization Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 100 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)

## 12.2 Persistence and degradability

<b>Veti-Slide Stain Solution #2</b>	
Persistence and degradability	Not rapidly degradable

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

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

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

<b>Esosin Y</b>	
Persistence and degradability	Not rapidly degradable

<b>Water (7732-18-5)</b>	
Persistence and degradability	Not rapidly degradable

## 12.3 Bioaccumulative potential

<b>Potassium phosphate, monobasic (7778-77-0)</b>	
Bioaccumulative potential	Not bioaccumulative

<b>Sodium azide (26628-22-8)</b>	
Bioaccumulative potential	Not bioaccumulative

<b>Eosin Y (17372-87-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	-1.68 (Estimated value, KOWWIN)
Bioaccumulative potential	Not bioaccumulative

## 12.4 Mobility in soil

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



<b>Sodium azide (26626-22-8)</b>	
Surface tension	No data available (test not performed)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.63 (log Koc, Calculated value)
Ecology - soil	Low potential for absorption in soil.
<b>Eosin Y (17372-87-1)</b>	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.024 (log Koc, OECD 121: Estimation of Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology -soil	Highly mobile 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 Transport in bulk

Not applicable

#### 14.7 Special precautions for user

DOT

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

### 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%
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<b>Sodium phosphate, dibasic (7558-79-4)</b>	
CERCLA RQ	5000 LB

<b>Sodium azide (26628-22-8)</b>	
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

<b>Potassium phosphate, monobasic (7778-77-0)</b>
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)

**Eosin & (17372-87-1)**

Listed on the Canadian DSL (Domestic Substances List)

**Water (77372-18-5)**

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)

**Eosin Y (17372-87-1)**

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 Jersey - 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 Jersey - 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 irritation
H330	Fatal if inhaled

**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.

