

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

## SECTION 1: Identification of the substance/mixture and of the company / undertaking

### 1.1 Product identifier

Trade name: **Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**

Article number:

Product code: 4995-1 (1005823)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture: Forensic examination.

Uses advised against: Contact manufacturer.

### 1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Safariland, LLC

13386 International Parkway

Jacksonville, FL 32218

Customer Care (800) 347-1200



### 1.4 Emergency telephone number:

ChemTel Inc.

+1 (800)255-3924, +1 (813)248-0585

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

The product is not classified as hazardous according to the Globally Harmonized System (GHS).

The product is not classified as hazardous according to OSHA GHS regulations within the United States.

The product is not classified as hazardous according to the CLP regulation.

#### Additional information:

Exposure to product contents is highly unlikely during normal usage.

There are no other hazards not otherwise classified that have been identified.

0 % of the mixture consists of component(s) of unknown toxicity.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

This product does not have a classification according to the CLP regulation.

The product is not classified as hazardous according to OSHA GHS regulations within the United States.

Hazard pictograms Not Regulated

Signal word Not Regulated

Hazard-determining components of labelling: None.

Hazard statements Not Regulated

Precautionary statements Not Regulated.

#### Additional information:

EUH032 Contact with acids liberates very toxic gas.

Safety data sheet available on request.

(Cont'd. on page 2)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**

(Cont'd. from page 1)

· **NFPA ratings (scale 0 - 4)**



Health = 2  
Fire = 0  
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 2  
Fire = 0  
Reactivity = 0

- **2.3 Other hazards**  
 · **Results of PBT and vPvB assessment**  
 · **PBT:** Not applicable.  
 · **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Components:**

CAS: 583-52-8 EINECS: 209-506-8	dipotassium oxalate Acute Tox. 4, H302; Acute Tox. 4, H312	50-100%
CAS: 7681-49-4 EINECS: 231-667-8 Index number: 009-004-00-7	sodium fluoride Acute Tox. 3, H301 Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-25%

· **Additional information:**

For the listed ingredient(s), the identity and/or exact percentages are being withheld as a trade secret.

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:**

This is a packaged product that will not result in exposure to the contents under normal conditions of use. In the event of exposure, administer first aid appropriate for symptoms present. No special measures required.

· **After inhalation:**

Unlikely route of exposure.  
Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Unlikely route of exposure.  
Rinse with warm water.  
If skin irritation is experienced, consult a doctor.

· **After eye contact:**

Unlikely route of exposure.  
Remove contact lenses if worn.

(Cont'd. on page 3)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**

(Cont'd. from page 2)

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Unlikely route of exposure.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Hazards:** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

If medical advice is needed, have product container or label at hand.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **For safety reasons unsuitable extinguishing agents:** None.

· **5.2 Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

· **5.3 Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· **Additional information:** No further relevant information available.

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

For large spills, wear protective clothing.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation

· **6.2 Environmental precautions** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up**

Pick up mechanically.

Place in properly marked container for disposal.

Dispose of the material collected according to regulations.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special measures required.

· **Information about fire - and explosion protection:** No special measures required.

(Cont'd. on page 4)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**

(Cont'd. from page 3)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Do not store together with acids.  
Protect from humidity and water.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · **Ingredients with limit values that require monitoring at the workplace:**

##### **7681-49-4 sodium fluoride**

IOELV (EU)	Long-term value: 2,5 mg/m <sup>3</sup> as F
PEL (USA)	Long-term value: 2,5 mg/m <sup>3</sup> as F
REL (USA)	Long-term value: 2,5 mg/m <sup>3</sup> as F
TLV (USA)	Long-term value: 2,5 mg/m <sup>3</sup> as F, BEI
EL (Canada)	Long-term value: 2,5 mg/m <sup>3</sup> as F

- **DNELs:** No further relevant information available.
- **PNECs:** No further relevant information available.

#### · **Ingredients with biological limit values:**

##### **7681-49-4 sodium fluoride**

BEI (USA)	2 mg/L Medium: urine Time: prior to shift Parameter: Fluoride (background, nonspecific)
	3 mg/L Medium: urine Time: end of shift Parameter: Fluoride (background, nonspecific)

- **8.2 Exposure controls**
- **Engineering measures** Provide adequate ventilation.

(Cont'd. on page 5)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**

(Cont'd. from page 4)

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.
- **Respiratory protection:** Not required under normal conditions of use.
- **Protection of hands:**



Protective gloves

Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **For the permanent contact gloves made of the following materials are suitable:** Nitrile rubber, NBR
- **Eye protection:**



Safety glasses

- **Body protection:**  
Protective work clothing  
Protection may be required for spills.
- **Limitation and supervision of exposure into the environment:** No special requirements.
- **Risk management measures:** No special requirements.

## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

- |                                       |                 |
|---------------------------------------|-----------------|
| · <b>Appearance</b>                   |                 |
| · <b>Form:</b>                        | Solid material  |
| · <b>Colour:</b>                      | Whitish         |
| · <b>Odour:</b>                       | Odourless       |
| · <b>Odour threshold:</b>             | Not determined. |
| · <b>pH-value:</b>                    | Not applicable. |
| · <b>Melting point/Melting range:</b> | Not determined. |
| · <b>Boiling point/Boiling range:</b> | Not determined. |
| · <b>Flash point:</b>                 | Not applicable. |

(Cont'd. on page 6)

## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**

(Cont'd. from page 5)

· <b>Flammability (solid, gaseous):</b>	Product is not flammable.
· <b>Auto/Self-ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Product is not self-igniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits</b> <b>Lower:</b> <b>Upper:</b>	Not determined. Not determined.
· <b>Oxidising properties</b>	Non-oxidising.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density:</b> · <b>Relative density:</b> · <b>Vapour density:</b> · <b>Evaporation rate:</b>	Not determined. Not determined. Not applicable. Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity</b> <b>Dynamic:</b> <b>Kinematic:</b>	Not applicable. Not applicable.
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Toxic fumes may be released if heated above the decomposition point.  
Reacts with strong mineral acids forming hydrogen fluoride.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials** No further relevant information available.
- **10.6 Hazardous decomposition products**  
Hydrogen fluoride  
Danger of toxic fluorine based pyrolysis products.

(Cont'd. on page 7)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**

(Cont'd. from page 6)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

This is a packaged product that will not result in exposure to the contents under normal conditions of use. In the event of exposure, administer first aid appropriate for symptoms present.

- **Acute toxicity:** Based on available data, the classification criteria are not met.

#### LD/LC50 values relevant for classification:

##### 7681-49-4 sodium fluoride

Oral	LD50	52 mg/kg (rat)
------	------	----------------

- **Primary irritant effect**
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

#### Carcinogenic categories

#### IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

#### NTP (National Toxicology Program):

None of the ingredients are listed.

#### OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

#### Probable routes of exposure:

Ingestion.  
Inhalation.  
Eye contact.  
Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):** None.
- **Repeated dose toxicity:** No further relevant information available.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

(Cont'd. on page 8)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**


(Cont'd. from page 7)

- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dilute concentrate with water and neutralize afterwards with suitable material (lime or chalk). The formed salts are inert and pose little hazard.  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

- **14.1 UN-Number**
- **DOT** Exempt
- **ADR, IMDG, IATA** UN3316
- **14.2 UN proper shipping name**
- 
 Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 kg (11 lb.)
- **DOT** Exempt per 49CFR173.4b
- **ADR** 3316 CHEMICAL KIT
- **IMDG** CHEMICAL KIT
- **IATA** Chemical kits

(Cont'd. on page 9)



**Safety Data Sheet**  
 according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
 OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**

(Cont'd. from page 8)

· **14.3 Transport hazard class(es)**

· DOT  
 · Class Exempt

· ADR



· Class 9 (M11) Miscellaneous dangerous substances and articles.  
 · Label 9

· IMDG, IATA



· Class 9 Miscellaneous dangerous substances and articles.  
 · Label 9

· **14.4 Packing group**

· DOT Exempt  
 · ADR, IMDG, IATA III

· **14.5 Environmental hazards:** Not applicable.

· **14.6 Special precautions for user** Warning: Miscellaneous dangerous substances and articles.

· Danger code (Kemler): 90  
 · EMS Number: F-A,S-P

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **Transport/Additional information:**

· ADR  
 · Excepted quantities (EQ) Code: ADR: 340  
 · Transport category 3  
 · Tunnel restriction code E

· IMDG  
 · Excepted quantities (EQ) IMDG 340  
 · IATA Excepted Qty: A163

(Cont'd. on page 10)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**

(Cont'd. from page 9)

<b>Remarks:</b>	Limited quantities by air Net quantity per inner package: 1kg Total net quantity per package: 10kg Max gross weight of completed package: 30kg
-----------------	---

## SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- United States (USA)
- SARA

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65 (California):**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer)**

7681-49-4	sodium fluoride	3
-----------	-----------------	---

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

· **Canada**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients are listed.

(Cont'd. on page 11)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (Sodium Fluoride/Potassium Oxalate Collection Tube)**

(Cont'd. from page 10)

- **Other regulations, limitations and prohibitive regulations**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

- **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
Acute Tox. 3: Acute toxicity, Hazard Category 3  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

- **Sources**

SDS Prepared by:  
ChemTel Inc.  
1305 North Florida Avenue  
Tampa, Florida USA 33602-2902  
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573  
Website: [www.chemtelinc.com](http://www.chemtelinc.com)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

## SECTION 1: Identification of the substance/mixture and of the company / undertaking

### 1.1 Product identifier

Trade name: **Blood Alcohol Collection Kit (EDTA Collection Tube)**

Article number:

Product code: 4995-1 (1005823)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture: Forensic examination.

Uses advised against: Contact manufacturer.

### 1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Safariland, LLC

13386 International Parkway

Jacksonville, FL 32218

Customer Care (800) 347-1200



### 1.4 Emergency telephone number:

ChemTel Inc.

+1 (800)255-3924, +1 (813)248-0585

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

The product is not classified as hazardous according to the Globally Harmonized System (GHS).

The product is not classified as hazardous according to OSHA GHS regulations within the United States.

The product is not classified as hazardous according to the CLP regulation.

#### Additional information:

Exposure to product contents is highly unlikely during normal usage.

There are no other hazards not otherwise classified that have been identified.

0 % of the mixture consists of component(s) of unknown toxicity.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

This product does not have a classification according to the CLP regulation.

The product is not classified as hazardous according to OSHA GHS regulations within the United States.

Hazard pictograms Not Regulated

Signal word Not Regulated

Hazard-determining components of labelling: None.

Hazard statements Not Regulated

Precautionary statements Not Regulated.

#### Additional information:

EUH032 Contact with acids liberates very toxic gas.

Safety data sheet available on request.

(Cont'd. on page 2)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (EDTA Collection Tube)**

(Cont'd. from page 1)

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



- **2.3 Other hazards**  
 · **Results of PBT and vPvB assessment**  
 · **PBT:** Not applicable.  
 · **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Components:**

CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2	tetrasodium ethylenediaminetetraacetate Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H332	25-75%
CAS: 7681-49-4 EINECS: 231-667-8 Index number: 009-004-00-7	sodium fluoride Acute Tox. 3, H301 Skin Irrit. 2, H315; Eye Irrit. 2, H319	25-75%

· **Additional information:**

For the listed ingredient(s), the identity and/or exact percentages are being withheld as a trade secret.

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:**

This is a packaged product that will not result in exposure to the contents under normal conditions of use.  
In the event of exposure, administer first aid appropriate for symptoms present.  
No special measures required.

· **After inhalation:**

Unlikely route of exposure.  
Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Unlikely route of exposure.  
Rinse with warm water.  
If skin irritation is experienced, consult a doctor.

· **After eye contact:**

Unlikely route of exposure.

(Cont'd. on page 3)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (EDTA Collection Tube)**

(Cont'd. from page 2)

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Unlikely route of exposure.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Hazards:** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

If medical advice is needed, have product container or label at hand.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **For safety reasons unsuitable extinguishing agents:** None.

· **5.2 Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

· **5.3 Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· **Additional information:** No further relevant information available.

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

For large spills, wear protective clothing.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation

· **6.2 Environmental precautions** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up**

Pick up mechanically.

Place in properly marked container for disposal.

Dispose of the material collected according to regulations.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special measures required.

(Cont'd. on page 4)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (EDTA Collection Tube)e**

(Cont'd. from page 3)

- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Do not store together with acids.  
Protect from humidity and water.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · **Ingredients with limit values that require monitoring at the workplace:**

##### **7681-49-4 sodium fluoride**

PEL (USA)	Long-term value: 2,5 mg/m <sup>3</sup> as F
REL (USA)	Long-term value: 2,5 mg/m <sup>3</sup> as F
TLV (USA)	Long-term value: 2,5 mg/m <sup>3</sup> as F, BEI
IOELV (EU)	Long-term value: 2,5 mg/m <sup>3</sup> as F

- **DNELs:** No further relevant information available.
- **PNECs:** No further relevant information available.

#### · **Ingredients with biological limit values:**

##### **7681-49-4 sodium fluoride**

BEI (USA)	2 mg/L Medium: urine Time: prior to shift Parameter: Fluoride (background, nonspecific)
	3 mg/L Medium: urine Time: end of shift Parameter: Fluoride (background, nonspecific)

### · 8.2 Exposure controls

- **Engineering measures** Provide adequate ventilation.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.

(Cont'd. on page 5)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (EDTA Collection Tube)**

(Cont'd. from page 4)

Keep away from foodstuffs, beverages and feed.

- **Respiratory protection:** Not required under normal conditions of use.
- **Protection of hands:**



Protective gloves

Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact gloves made of the following materials are suitable:** Nitrile rubber, NBR

- **Eye protection:**



Safety glasses

- **Body protection:**

Protective work clothing

Protection may be required for spills.

- **Limitation and supervision of exposure into the environment:** No special requirements.

- **Risk management measures:** No special requirements.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **Appearance**

Form: Solid material

Colour: Whitish

- **Odour:** Odourless

- **Odour threshold:** Not determined.

- **pH-value:** Not applicable.

- **Melting point/Melting range:** Not determined.

- **Boiling point/Boiling range:** Not determined.

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Product is not flammable.

- **Auto/Self-ignition temperature:** Not determined.

(Cont'd. on page 6)



## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (EDTA Collection Tube)**

(Cont'd. from page 5)

· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Product is not self-igniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Oxidising properties</b>	Non-oxidising.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density:</b>	Not determined.
· <b>Relative density:</b>	Not determined.
· <b>Vapour density:</b>	Not applicable.
· <b>Evaporation rate:</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity</b>	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Toxic fumes may be released if heated above the decomposition point.  
Reacts with strong mineral acids forming hydrogen fluoride.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials** No further relevant information available.
- **10.6 Hazardous decomposition products**  
Nitrogen oxides  
Hydrogen fluoride  
Danger of toxic fluorine based pyrolysis products.

(Cont'd. on page 7)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

<b>Trade name: Blood Alcohol Collection Kit (EDTA Collection Tube)</b>
--

(Cont'd. from page 6)

## SECTION 11: Toxicological information

### · 11.1 Information on toxicological effects

This is a packaged product that will not result in exposure to the contents under normal conditions of use. In the event of exposure, administer first aid appropriate for symptoms present.

- **Acute toxicity:** Based on available data, the classification criteria are not met.

<b>LD/LC50 values relevant for classification:</b>
--

<b>64-02-8 tetrasodium ethylenediaminetetraacetate</b>
--

Oral   LD50   1700 mg/kg (rat)
--------------------------------

<b>7681-49-4 sodium fluoride</b>
----------------------------------

Oral   LD50   52 mg/kg (rat)
------------------------------

- **Primary irritant effect**
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

- **Carcinogenic categories**

<b>IARC (International Agency for Research on Cancer):</b>
--

None of the ingredients are listed.
-------------------------------------

<b>NTP (National Toxicology Program):</b>
---

None of the ingredients are listed.
-------------------------------------

<b>OSHA-Ca (Occupational Safety &amp; Health Administration):</b>
---

None of the ingredients are listed.
-------------------------------------

- **Probable routes of exposure:**

Ingestion.  
Inhalation.  
Eye contact.  
Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):** None.
- **Repeated dose toxicity:** No further relevant information available.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

(Cont'd. on page 8)

## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (EDTA Collection Tube)**


(Cont'd. from page 7)

- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dilute concentrate with water and neutralize afterwards with suitable material (lime or chalk). The formed salts are inert and pose little hazard.  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **DOT** Exempt
- **ADR, IMDG, IATA** UN3316
- **14.2 UN proper shipping name**
-  Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 kg (11 lb.)
- **DOT** Exempt per 49CFR173.4b
- **ADR** 3316 CHEMICAL KIT
- **IMDG** CHEMICAL KIT
- **IATA** Chemical kits

(Cont'd. on page 9)

**Safety Data Sheet**  
 according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
 OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

Trade name: Blood Alcohol Collection Kit (EDTA Collection Tube)

(Cont'd. from page 8)

## · 14.3 Transport hazard class(es)

· DOT  
 · Class Exempt

## · ADR



· Class 9 (M11) Miscellaneous dangerous substances and articles.  
 · Label 9

## · IMDG, IATA



· Class 9 Miscellaneous dangerous substances and articles.  
 · Label 9

## · 14.4 Packing group

· DOT Exempt  
 · ADR, IMDG, IATA III

· 14.5 Environmental hazards: Not applicable.

## · 14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles.  
 · Danger code (Kemler): 90  
 · EMS Number: F-A,S-P

## · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

## · Transport/Additional information:

· ADR  
 · Excepted quantities (EQ) Code: ADR: 340  
 · Transport category 3  
 · Tunnel restriction code E

## · IMDG

· Excepted quantities (EQ) IMDG 340

## · IATA

Excepted Quantity: A163

(Cont'd. on page 10)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (EDTA Collection Tube)**

(Cont'd. from page 9)

- |                 |   |
|-----------------|---|
| <b>Remarks:</b> | Limited quantities by air<br>Net quantity per inner package: 1kg<br>Total net quantity per package: 10kg<br>Max gross weight of completed package: 30kg |
|-----------------|---|

## SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- United States (USA)
- SARA

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65 (California):**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer)**

7681-49-4 | sodium fluoride

3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

· **Canada**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients are listed.

(Cont'd. on page 11)

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date: March 31, 2016

Revision date: March 31, 2016

**Trade name: Blood Alcohol Collection Kit (EDTA Collection Tube)**

(Cont'd. from page 10)

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Acute Tox. 3: Acute toxicity, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

· **Sources**

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: [www.chemtelinc.com](http://www.chemtelinc.com)