

SECTION 1 . Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier	QuickTox™ Kit for QuickScan Aflatoxin FREE
Trade name:	PN: 11178 (AQ209 BG)
Part number:	
1.2 Relevant identified uses of the substance or mixture and uses advised against:	The Aflatoxin FREE test is intended for the rapid quantitative detection of aflatoxin in grain.
Components :	Lateral flow test strips in plastic tubes, plastic cups, plastic pipette tips, plastic transfer pipettes and Extraction Reagent Powder (EB17)
1.3 Details of the supplier of the safety data sheet	EnviroLogix Inc, 500 Riverside Industrial Pkwy, Portland ME 04103, USA
Manufacturer/Supplier:	Technical Service (207) 797-0300
Information department:	
1.4 Emergency telephone number:	

The hazards associated with this product are related to the Extraction Reagent EB17

2.1 Classification of the substance or mixture

Globally Harmonized Classification

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Classification according to Directive 67/548/EEC or Directive 1999/45/EC :

Flam. Sol. 2 Acute Tox. Oral 4 Acute Tox. Dermal 3 Skin Irrit. 2 Eye Dam. 1 STOT SE 3 Aquatic Chronic - 2	H228, H302, H311, H315, H318, H335, H411
Xi, F	R10, R22, R24, R38, R37, R41, R51/53

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008

Hazard pictograms :



Signal word :.....

Danger

Hazard statements:.....

H228 Flammable solid.
H302 Harmful if swallowed.
H311 Toxic in contact with skin
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:.....

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P280 Wear protective gloves/ eye protection/ face protection.
P305 + P351 + P338 If in Eyes: Rinse cautiously
With water for several minutes; remove contact
Lenses if present and easy to do

2.3 Other hazards

No additional hazards listed

SECTION 3. Composition/information on ingredients

3.2 Mixtures

Powder

Extraction Reagent Powder (EB17)– no CAS number (The full text of hazard statements and risk phrases are shown in section 16)

Chemical name	CAS No	EC No	Amount (%)	Classification Reg(EC) No 1272/2008	Classification Directive 1999/45/EC
Sodium Lauryl Sulfate	151-21-3	205-788-1	75 to 100%	Flam. Solid 2; Skin Irrit.2; Eye Dam.1; Acute Tox- oral 4, Tox dermal 3; Aquatic Chronic 2; STOT SE 3 H228, H302, H311,H315, H318, H335, H411	Xi, F R10, R22, R24, R37, R38, R41, R51/53
Polyacrylic acid, sodium salt	9003-04-7	202-415-4	1 to 5%	Eye Irrit.2; H319	Xi, R36
Dodecylbenzene sulfonic acid	27176-87-0	248-289-4	1 to 5%	Acute Tox.4; Skin Corr.1B; H302,H314	C,Xn,R22-R34

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

After inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
After skin contact	Flush skin with water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse.
After eye contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.
After swallowing	Do NOT induce vomiting unless directed to do so by medical personnel. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Difficulty breathing, Skin irritation, Eye irritation
Do NOT induce vomiting unless directed to do so by medical personnel. If large quantities of this material are swallowed, call a physician immediately.

4.3 Indication of any immediate medical attention and special treatment needed

No special treatment is required

SECTION 5. Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing agents: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

5.2 Special hazards arising from the substance or mixture :

When heated to decomposition it emits toxic fumes of sulfur oxides, and sodium oxide.

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus for firefighting if necessary

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel....	SMALL SPILL -Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
For emergency responders.....	LARGE SPILL -Poisonous solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and clean up:

Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

6.4 Reference to other section

For safe handling refer to Section 7.
For information on PPE refer to Section 8.
For disposal, refer to Section 13.No References

7.1 Precautions for safe handling:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material.

7.2 Conditions for safe storage, including any incompatibilities:

Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents. Keep container tightly closed. Keep container in a cool, well-ventilated area. Hygroscopic

7.3 Specific end use(s):

Besides the uses described in Section 1.2 there are no other specific uses

8.1 Exposure controls

Additional information about design of technical systems:

None required

Exposure limits

Components with limit values that require monitoring at the workplace:

Chemical	Exposure Limits
Sodium Lauryl Sulfate	None listed Observe limits for particulate not otherwise regulated, which is: 15 mg/m ³ total dust, 5 mg/m ³ respirable fraction (OSHA PEL) 10 mg/ m ³ inhalable particulate, 3 mg/m ³ respirable particulate. (ACGIH TLV)
Zeolite	Latvia : 2mg/m³ ,time limit eight hours (Otherwise observe limits for particulate not otherwise regulated, which is: 15 mg/ m ³ total dust, 5 mg/ m ³ respirable fraction (OSHA PEL) 10 mg/ m ³ inhalable particulate, 3 mg/ m ³ respirable particulate. (ACGIH TLV)

Exposure controls - Engineering Controls:

Personal protective equipment

Breathing equipment.....

Facilities using or storing this material should be equipped with an eyewash and safety shower. Provide local exhaust or general dilution ventilation.

Protection of hands.....

Appropriate respiratory protection should be determined according to local conditions using risk analysis protocols. An approved disposable air-purifying particulate respirator may be used as a backup to engineering controls. Always use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye protection.....

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Safety glasses with side shields; goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Eye and face protection regulations are described by OSHA(US) in 29 CFR 1910.133. Do not wear contact lenses when working with chemicals.

SECTION 9: Physical and Chemical Properties**9.1 Information on basic physical and chemical properties** **Extraction Reagent Powder (EB17)– no CAS number**

Appearance:	Solid –Powder, White
Odor:	Odorless
Odor threshold:	not applicable
pH :	9.5 (1% sol/water)
Melting point/freezing point:	
Initial boiling point and boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability(solid, gas):	May be combustible at high temperature.
Upper/lower flammability or explosive limits:	May be flammability or explosive at high temperature.
Vapour pressure	No data available
Vapour density:	No data available
Relative density	No data available
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water;	No data available
Auto-Ignition Temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	Slightly explosive in presence of open flames and sparks.
Oxidising Properties	not applicable

9.2 Other information

Products of Combustion:	Carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ ...).
Fire Hazards in Presence of Various Substances:	Slightly flammable to flammable in presence of heat. Risks of explosion of the product in presence of mechanical impact: Not available.

SECTION 10. Stability and reactivity

10.1 Reactivity:	Not self-reactive.
10.2 Chemical stability	Stable under normal temperatures and pressures
10.3 Possibility of hazardous reactions :	Reaction with strong oxidizers may cause fire.
10.4 Conditions to avoid :	Incompatible materials.
10.5 Incompatible materials:	Oxidizing agents (eg bleach).
10.6 Hazardous decomposition products:	Carbon monoxide, carbon dioxide, sulfur oxides, carbon dioxide, nitrogen oxides, silicone dioxide, formaldehyde, metal oxides.

SECTION 11. Toxicological information

Acute effects (toxicity tests): Sensitization: Additional toxicological information:	Sodium lauryl sulfate - 151-21-3		
	Acute oral toxicity	LD50= 1288 mg/kg	rat
	Acute dermal toxicity	LD50= 600 mg/kg	rabbit
	Acute inhalation toxicity	LC50= 3900 mg/m ³ , 1hour	rat
No sensitizing effects known CMR (carcinogenicity, mutagenicity and toxicity for reproduction) – no CMR effects.			

SECTION 12. Ecological information

12.1 Toxicity	Aquatic toxicity LC50	Effect dose	Exposure	Species
Aquatic toxicity: Note: Aquatic Toxicity of mixture is based on Sodium Lauryl Sulfate;	Acute fish toxicity	10.2-22.8 mg/l	96 hours	Pimephales promelas
	Acute daphnia toxicity	1.8 mg/l	48 hours	daphnia magna
	Acute algae toxicity	117 mg/l	96 hours	Pseudokirchneriella subcapitata
		53 mg/l	96 hours	Desmodesmus subspicatus
		30-100 mg/l	96 hours	Desmodesmus subspicatus
Biodegradability Result: 90 % - Readily biodegradable. Ratio BOD/ThBOD 95.9 %				
12.2 Persistence and degradability :	Cyprinus carpio (Carp) - 72 h Bioconcentration factor (BCF): 3.9 - 5.3			
12.3 Bio accumulative potential :	Not available			
12.4 Mobility in soil :	Not available as a chemical safety assessment, not required/not conducted.			
12.5 Results of PBT and vPvB assessment:	No others listed.			
12.6 Other adverse effects				

SECTION 13. Disposal considerations

Waste treatment methods/ Uncleaned packagings:	Dispose of contents and containers in accordance with local, state and federal regulations.
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SECTION 14. Transport information

14.1 UN-Number DOT, ADR, ADN, IMDG, IATA :	UN2926
14.2 UN proper shipping name DOT, ADR, ADN, IMDG, IATA :	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S. (Sodium dodecyl sulfate)
14.3 Transport hazard class(es) Class (DOT, ADR, ADN, IMDG, IATA):	4.1 (6.1)
14.4 Packing group (DOT, ADR, IMDG, IATA):	PG111
14.5 Environmental hazards Marine pollutant:	Not applicable.
14.6 Special precautions for user :	Not applicable.
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 Safety, health and environmental regulations**

HMIS Classification (US).....
Health hazard: 2 , Flammability: 1 , Physical Hazards: 0

US Federal Regulations

TSCA
Health and Safety Reporting List
CERCLA
SARA Section 302 (Extremely Hazardous Substances)
Clean Air Act
Clean Water Act
OSHA

US State Regulations**European/International Regulations**

European labeling in accordance with EC Directives

Canada – DSL/NDSL**Canada – WHMIS****Other****15.2 Chemical safety assessment****NFPA Rating (US)**

Health hazard: 2 , Fire: 1 , Reactivity Hazard: 0

TSCA 8(b) inventory: Sodium lauryl sulfate
Listed.

Dodecylbenzene sulfonic acid CAS# 27176-87-0

Not listed

Not listed

Not listed

Not listed

State right to know – the following are listed by Pennsylvania and New Jersey:
Zeolite, water, polyacrylic acid, sodium salt, polydimethylsiloxane, dodecylbenzene sulfonic acid. Massachusetts: dodecylbenzene sulfonic acid.
CA Prop 65: no Significant Risk Level – not listed.

This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 205-788-1)

Listed

CLASS D-2B: Material causing other toxic effects (TOXIC).

China: Listed on National Inventory. Japan: Listed on National Inventory (ENCS).

Korea: Listed on National Inventory (KECI). Philippines: Listed on National Inventory (PICCS). Australia: Listed on AICS.

Not carried out.

SECTION 16. Other information

This information is based on our present knowledge. However, EnviroLogix makes no representation of its accuracy or completeness. Persons receiving this information must exercise their independent judgment in determining the product's safety and suitability for its intended use. This document shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

Code DefinitionsRisk Statements

R10 Flammable	R37 Irritating to respiratory system	R51/53 Toxic to aquatic organisms, may cause long term adverse effects in aquatic environment
R 22 Harmful if swallowed	R38 Irritating to skin	
R24 Toxic in contact with skin	R41 Risk of serious damage to eyes	

Hazard Statements:

H228 Flammable solid.
H302 Harmful if swallowed.
H311 Toxic in contact with skin
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

STOT - Specific target organ toxicity - single exposure

Xi – Irritant
F- Flammable

EHS Department
EnviroLogix Inc.