# SAFETY DATA SHEET



Berichrom® F XIII

### **Section 1. Identification**

**Product identifier** : Berichrom® F XIII

: OWSU11, 10873897; OWSU135J, 10465717 **Product code** 

**Product type** : Solid.

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

Not applicable.

Manufactured/supplied : Sysmex Americas

577 Aptakisic RD Lincolnshire, IL 60069

Company Phone Number: (224) 543-9500

**Emergency telephone** 

number

1-800-255-3924 (North America) 1-813-248-0585 (International)

#### Section 2. Hazards identification

OSHA/HCS status : Berichrom® F XIII Activator Reagent This material is considered hazardous by

> the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Berichrom® F XIII Activator Diluent This material is considered hazardous by

the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This material is considered hazardous by Berichrom® F XIII Detection Reagent

> the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the

: Berichrom® F XIII Activator Reagent substance or mixture

ACUTE TOXICITY (oral) Category 4 ACUTE TOXICITY (dermal) Category 4 RESPIRATORY SENSITIZATION Category 1

Berichrom® F XIII Activator Diluent

ACUTE TOXICITY (oral) Category 4 ACUTE TOXICITY (dermal) Category 3

Berichrom® F XIII Detection Reagent

ACUTE TOXICITY (oral) Category 4 ACUTE TOXICITY (dermal) Category 3 SERIOUS EYE DAMAGE Category 1

Additional information : Not available.

Sodium azide may react with lead or copper plumbing to form highly explosive metal

azides.

**GHS label elements** 

**Hazard pictograms** 







Signal word : Berichrom® F XIII Activator Reagent Danger Berichrom® F XIII Activator Diluent

Danger Berichrom® F XIII Detection Reagent Danger

Date of issue/Date of revision : 3/19/2024 1/20 Date of previous issue Version : 1 : No previous validation

#### Section 2. Hazards identification

Hazard statements : Berichrom® F XIII Activator Reagent H302 + H312 - Harmful if swallowed or in contact with skin. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. Berichrom® F XIII Activator Diluent H302 - Harmful if swallowed. H311 - Toxic in contact with skin. Berichrom® F XIII Detection Reagent H302 - Harmful if swallowed. H311 - Toxic in contact with skin. H318 - Causes serious eye damage. **Precautionary statements** P280 - Wear protective gloves and Prevention : Berichrom® F XIII Activator Reagent protective clothing. P284 - Wear respiratory protection. P261 - Avoid breathing dust. P270 - Do not eat, drink or smoke when using this product. P264 - Wash thoroughly after handling. Berichrom® F XIII Activator Diluent P280 - Wear protective gloves and protective clothing. P270 - Do not eat, drink or smoke when using this product. P264 - Wash thoroughly after handling. Berichrom® F XIII Detection Reagent P280 - Wear protective gloves and protective clothing. Wear eye or face protection. P270 - Do not eat, drink or smoke when using this product. P264 - Wash thoroughly after handling. P304 + P340 - IF INHALED: Remove Response : Berichrom® F XIII Activator Reagent person to fresh air and keep comfortable for breathing. P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor. P301 + P312, P330 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. P302 + P312, P352 - IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of soap and water. P362 + P364 - Take off contaminated clothing and wash it before reuse. Berichrom® F XIII Activator Diluent P301 + P312, P330 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. P361 + P364 - Take off immediately all contaminated clothing and wash it before P302 + P312, P352 - IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of soap and water. Berichrom® F XIII Detection Reagent P301 + P312, P330 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. P361 + P364 - Take off immediately all contaminated clothing and wash it before reuse. P302 + P312, P352 - IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of soap and water. P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

Date of issue/Date of revision : 3/19/2024 : No previous validation Version : 1 2/20 Date of previous issue

### Section 2. Hazards identification

present and easy to do. Continue rinsing. Immediately call a POISON CENTER or

doctor.

Storage : Berichrom® F XIII Activator Reagent Not applicable.

Berichrom® F XIII Activator Diluent P405 - Store locked up. Berichrom® F XIII Detection Reagent P405 - Store locked up.

Disposal : Berichrom® F XIII Activator Reagent P501 - Dispose of contents and container

in accordance with all local, regional, national and international regulations. P501 - Dispose of contents and container in accordance with all local, regional,

Berichrom® F XIII Detection Reagent

Berichrom® F XIII Activator Diluent

national and international regulations. P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

Supplemental label

elements

: Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent Berichrom® F XIII Detection Reagent

None known. None known. None known.

None known.

Hazards not otherwise classified

: Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent Berichrom® F XIII Detection Reagent

None known. None known.

Mixture

# Section 3. Composition/information on ingredients

Substance/mixture : Berichrom® F XIII Activator Reagent Mixture
Berichrom® F XIII Activator Diluent Mixture

Berichrom® F XIII Activator Diluent Berichrom® F XIII Detection Reagent

Ingredient name % **CAS** number Berichrom® F XIII Activator Reagent 10035-04-8 Calcium chloride (CaCl2), dihydrate ≤5 sodium azide <2 26628-22-8 Thrombin ≤0.3 9002-04-4 Berichrom® F XIII Activator Diluent sodium azide <9 26628-22-8 Berichrom® F XIII Detection Reagent ≥10 - ≤25 623-33-6 ethyl glycinate hydrochloride sodium azide 26628-22-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Occupational exposure limits, if available, are listed in Section 8.

#### Section 4. First aid measures

#### Description of necessary first aid measures

**Eye contact**: Berichrom® F XIII Activator Reagent

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if

irritation occurs.

Berichrom® F XIII Activator Diluent

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any

Date of issue/Date of revision: 3/19/2024Date of previous issue: No previous validationVersion: 1

Berichrom® F XIII Detection Reagent

contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation

: Berichrom® F XIII Activator Reagent

Berichrom® F XIII Activator Diluent

Berichrom® F XIII Detection Reagent

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. In the event of any complaints or symptoms, avoid further exposure. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-tomouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of

Date of issue/Date of revision: 3/19/2024Date of previous issue: No previous validationVersion: 14/20

Skin contact

: Berichrom® F XIII Activator Reagent

Berichrom® F XIII Activator Diluent

Berichrom® F XIII Detection Reagent

Ingestion : Berichrom® F XIII Activator Reagent

Berichrom® F XIII Activator Diluent

inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse. Wash out mouth with water. Remove

dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention

Date of issue/Date of revision: 3/19/2024Date of previous issue: No previous validationVersion: 15/20

Berichrom® F XIII Detection Reagent

immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie,

belt or waistband.

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious,

place in recovery position and get medical attention immediately. Maintain an open

airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

Eye contact : Berichrom® F XIII Activator Reagent No known significant effects or critical

hazards.

Berichrom® F XIII Activator Diluent No known significant effects or critical

hazards.

Berichrom® F XIII Detection Reagent Causes serious eye damage.

Inhalation : Berichrom® F XIII Activator Reagent May cause allergy or asthma symptoms or

breathing difficulties if inhaled. No known significant effects or critical

Harmful in contact with skin.

Berichrom® F XIII Activator Diluent

hazards

Berichrom® F XIII Detection Reagent No known significant effects or critical hazards.

> : Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent Toxic in contact with skin. Berichrom® F XIII Detection Reagent Toxic in contact with skin. : Berichrom® F XIII Activator Reagent Harmful if swallowed.

Berichrom® F XIII Activator Diluent Harmful if swallowed. Berichrom® F XIII Detection Reagent Harmful if swallowed.

#### Over-exposure signs/symptoms

Skin contact

Skin contact

Ingestion

Eve contact : Berichrom® F XIII Activator Reagent No specific data. Berichrom® F XIII Activator Diluent No specific data.

Berichrom® F XIII Detection Reagent Adverse symptoms may include the

> following: pain watering redness

Inhalation : Berichrom® F XIII Activator Reagent Adverse symptoms may include the

following:

wheezing and breathing difficulties

asthma

Berichrom® F XIII Activator Diluent No specific data. Berichrom® F XIII Detection Reagent No specific data. : Berichrom® F XIII Activator Reagent No specific data.

Berichrom® F XIII Activator Diluent Berichrom® F XIII Detection Reagent No specific data.

Adverse symptoms may include the

following: pain or irritation redness

blistering may occur

Ingestion

: Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent

No specific data. No specific data. Berichrom® F XIII Detection Reagent

Adverse symptoms may include the

following: stomach pains

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments

**Protection of first-aiders** 

: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

#### Extinguishing media

Suitable extinguishing

media

: In case of fire, use water spray (fog), foam or dry chemical.

Unsuitable extinguishing

media

: None known.

carbon dioxide

Specific hazards arising from the chemical

: No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:

carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides halogenated compounds metal oxide/oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing

apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-

emergency personnel".

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental

pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

Date of issue/Date of revision : 3/19/2024 7/20 Date of previous issue : No previous validation Version : 1

#### Section 6. Accidental release measures

#### Small spill

: Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

#### Large spill

: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

#### Precautions for safe handling

#### Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

# Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure controls/personal protection

#### **Control parameters**

#### Occupational exposure limits

Ingredient name	Exposure limits
Berichrom® F XIII Activator Reagent	
sodium azide	ACGIH TLV (United States, 1/2021). C: 0.29 mg/m³, (as Sodium azide) C: 0.11 ppm, (as Hydrazoic acid vapor) OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (as NaN3) NIOSH REL (United States, 10/2020). Absorbed through skin. CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (NAN3)
Berichrom® F XIII Activator Diluent	
sodium azide	ACGIH TLV (United States, 1/2021). C: 0.29 mg/m³, (as Sodium azide) C: 0.11 ppm, (as Hydrazoic acid vapor) OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (as NaN3) NIOSH REL (United States, 10/2020). Absorbed through skin. CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (NAN3)

Date of issue/Date of revision: 3/19/2024Date of previous issue: No previous validationVersion: 18/20

# Section 8. Exposure controls/personal protection

Berichrom® F XIII Detection Reagent		
sodium azide	ACGIH TLV (United States, 1/2021).	
	C: 0.29 mg/m³, (as Sodium azide)	
	C: 0.11 ppm, (as Hydrazoic acid vapor)	
	OSHA PEL 1989 (United States, 3/1989).	
	Absorbed through skin.	

CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (as NaN3)

NIOSH REL (United States, 10/2020).

Absorbed through skin. CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (NAN3)

# Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

# Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

**Hygiene measures**: Wash hands, forearms and face thoroughly after handling chemical products, before

eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety

showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be

worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the

protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being

performed and the risks involved and should be approved by a specialist before

handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected

based on the task being performed and the risks involved and should be approved by a

specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a

respiratory protection program to ensure proper fitting, training, and other important

aspects of use.

# Section 9. Physical and chemical properties

Physical state : Berichrom® F XIII Activator Reagent Solid.
Berichrom® F XIII Activator Diluent Solid.

Berichrom® F XIII Detection Reagent Solid.

Color : Berichrom® F XIII Activator Reagent White to yellowish. [Light]
Berichrom® F XIII Activator Diluent White to yellowish. [Light]
Berichrom® F XIII Detection Reagent White to yellowish. [Light]

Odor : Berichrom® F XIII Activator Reagent Odorless.
Berichrom® F XIII Activator Diluent Odorless.
Berichrom® F XIII Detection Reagent Odorless.

Date of issue/Date of revision: 3/19/2024Date of previous issue: No previous validationVersion: 19/20

# Section 9. Physical and chemical properties

: Berichrom® F XIII Activator Reagent pН Not applicable. Berichrom® F XIII Activator Diluent Not applicable. Berichrom® F XIII Detection Reagent Not applicable. : Berichrom® F XIII Activator Reagent [Product does not sustain combustion.] Flash point Berichrom® F XIII Activator Diluent [Product does not sustain combustion.] Berichrom® F XIII Detection Reagent [Product does not sustain combustion.] Flammability (solid, gas) : Berichrom® F XIII Activator Reagent Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of Berichrom® F XIII Activator Diluent the product. Not relevant/applicable due to nature of Berichrom® F XIII Detection Reagent the product. Not available. Relative density : Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available. Solubility(ies) Not available. : Berichrom® F XIII Activator Reagent Solubility in water Not available. Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available. Partition coefficient: n-: Berichrom® F XIII Activator Reagent Not relevant/applicable due to nature of octanol/water the product. Berichrom® F XIII Activator Diluent Not relevant/applicable due to nature of the product. Berichrom® F XIII Detection Reagent Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of **Auto-ignition temperature** : Berichrom® F XIII Activator Reagent the product. Berichrom® F XIII Activator Diluent Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of Berichrom® F XIII Detection Reagent the product. **Viscosity** : Berichrom® F XIII Activator Reagent Not relevant/applicable due to nature of the product. Berichrom® F XIII Activator Diluent Not relevant/applicable due to nature of the product. Berichrom® F XIII Detection Reagent Not relevant/applicable due to nature of the product. Aerosol product Type of aerosol : Berichrom® F XIII Activator Reagent Not applicable. Berichrom® F XIII Activator Diluent Not applicable. Berichrom® F XIII Detection Reagent Not applicable. Section 10. Stability and reactivity

Section 10. Sta	ibility and reactivity	
Reactivity	: Berichrom® F XIII Activator Reagent	No specific test data related to reactivity available for this product or its ingredients.
	Berichrom® F XIII Activator Diluent	No specific test data related to reactivity available for this product or its ingredients.
	Berichrom® F XIII Detection Reagent	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent Berichrom® F XIII Detection Reagent	The product is stable. The product is stable. The product is stable.

: Under normal conditions of storage and use, hazardous reactions will not occur.

: No previous validation

10/20

Version : 1

Conditions to avoid	: Berichrom® F XIII Activator Reagent	No specific data.
	Berichrom® F XIII Activator Diluent	No specific data.
	Berichrom® E XIII Detection Respent	No enecific data

Possibility of hazardous

Date of issue/Date of revision

reactions

Berichrom® F XIII Activator Diluent	No specific data.
Berichrom® F XIII Detection Reagent	No specific data.

Date of previous issue

: 3/19/2024

# Section 10. Stability and reactivity

Incompatible materials : Berichrom® F XIII Activator Reagent No specific data.

Berichrom® F XIII Activator Diluent No specific data.
Berichrom® F XIII Detection Reagent No specific data.

Hazardous decomposition

products

: Berichrom® F XIII Activator Reagent

Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

Berichrom® F XIII Activator Diluent

Under normal conditions of storage and

use, hazardous decomposition products

should not be produced.

Berichrom® F XIII Detection Reagent Under normal conditions of storage and

use, hazardous decomposition products

should not be produced.

# **Section 11. Toxicological information**

#### Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Berichrom® F XIII Activator				
Reagent				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
Berichrom® F XIII Activator				
Diluent				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
Berichrom® F XIII				
Detection Reagent				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

Conclusion/Summary :

: Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent Berichrom® F XIII Detection Reagent Not available. Not available. Not available.

#### Irritation/Corrosion

Not available.

Conclusion/Summary

**Skin**: Berichrom® F XIII Activator Reagent Not available.

Berichrom® F XIII Activator Diluent
Berichrom® F XIII Detection Reagent
Berichrom® F XIII Activator Reagent
Not available.
Not available.

Berichrom® F XIII Activator Diluent
Berichrom® F XIII Detection Reagent
Berichrom® F XIII Activator Reagent
Not available.

Projection Reagent
Not available.

Respiratory: Berichrom® F XIII Activator Reagent Not available.

Berichrom® F XIII Activator Diluent Not available.

Berichrom® F XIII Detection Reagent Not available.

**Sensitization** 

Eyes

Not available.

Conclusion/Summary

Skin : Berichrom® F XIII Activator Reagent Not available.

Berichrom® F XIII Activator Diluent Not available.

Berichrom® F XIII Detection Reagent Not available.

Respiratory : Berichrom® F XIII Activator Reagent Not available.

Berichrom® F XIII Activator Diluent Not available.

Berichrom® F XIII Detection Reagent Not available.

Date of issue/Date of revision: 3/19/2024Date of previous issue: No previous validationVersion: 1

Berichrom® F XIII

# Section 11. Toxicological information

#### **Mutagenicity**

Not available.

Conclusion/Summary : Berichrom® F XIII Activator Reagent Not available.

Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available.

Carcinogenicity

Not available.

Conclusion/Summary : Berichrom® F XIII Activator Reagent Not available.

> Berichrom® F XIII Activator Diluent Not available. Not available. Berichrom® F XIII Detection Reagent

Reproductive toxicity

Not available.

: Berichrom® F XIII Activator Reagent Conclusion/Summary

Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available.

**Teratogenicity** 

Not available.

Conclusion/Summary Berichrom® F XIII Activator Reagent

Berichrom® F XIII Activator Diluent Not available Berichrom® F XIII Detection Reagent Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Berichrom® F XIII Activator Reagent Thrombin	Catagory 2		Despiratory tract
THOMBIN	Category 3		Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Not available.

: Berichrom® F XIII Activator Reagent Not available. Information on the likely Berichrom® F XIII Activator Diluent Not available. routes of exposure

Berichrom® F XIII Detection Reagent Not available.

Potential acute health effects

Eye contact : Berichrom® F XIII Activator Reagent No known significant effects or critical

hazards.

Berichrom® F XIII Activator Diluent No known significant effects or critical

hazards. Berichrom® F XIII Detection Reagent Causes serious eye damage.

Inhalation : Berichrom® F XIII Activator Reagent May cause allergy or asthma symptoms or

breathing difficulties if inhaled.

Berichrom® F XIII Activator Diluent No known significant effects or critical

hazards.

No known significant effects or critical Berichrom® F XIII Detection Reagent

hazards

Not available.

Not available.

Skin contact : Berichrom® F XIII Activator Reagent Harmful in contact with skin.

Berichrom® F XIII Activator Diluent Toxic in contact with skin. Berichrom® F XIII Detection Reagent Toxic in contact with skin. : Berichrom® F XIII Activator Reagent Harmful if swallowed.

Ingestion Berichrom® F XIII Activator Diluent Harmful if swallowed. Berichrom® F XIII Detection Reagent Harmful if swallowed.

#### Symptoms related to the physical, chemical and toxicological characteristics

Date of issue/Date of revision 12/20 : 3/19/2024 Date of previous issue : No previous validation Version : 1

Berichrom® F XIII

Skin contact

Ingestion

# Section 11. Toxicological information

Eye contact : Berichrom® F XIII Activator Reagent No specific data.

Berichrom® F XIII Activator Diluent No specific data. Berichrom® F XIII Detection Reagent Adverse symptoms may include the

following: pain watering redness

Inhalation : Berichrom® F XIII Activator Reagent Adverse symptoms may include the

following:

wheezing and breathing difficulties

asthma

Berichrom® F XIII Activator Diluent No specific data. Berichrom® F XIII Detection Reagent No specific data. : Berichrom® F XIII Activator Reagent No specific data. Berichrom® F XIII Activator Diluent No specific data.

Berichrom® F XIII Detection Reagent Adverse symptoms may include the

> following: pain or irritation redness

blistering may occur No specific data. : Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent No specific data.

Berichrom® F XIII Detection Reagent Adverse symptoms may include the

> following: stomach pains

#### Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate : Berichrom® F XIII Activator Reagent Not available. Not available.

effects Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent

> Berichrom® F XIII Activator Reagent Not available.

Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available.

Long term exposure

Potential delayed effects

Potential immediate : Berichrom® F XIII Activator Reagent Not available. Berichrom® F XIII Activator Diluent Not available. effects

Berichrom® F XIII Detection Reagent Not available. Not available.

Berichrom® F XIII Activator Reagent Potential delayed effects Berichrom® F XIII Activator Diluent Not available.

Berichrom® F XIII Detection Reagent Not available.

#### Potential chronic health effects

Not available.

: Not available. Conclusion/Summary Berichrom® F XIII Activator Reagent

Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available.

General : No known significant effects or critical hazards. Carcinogenicity : No known significant effects or critical hazards. Mutagenicity : No known significant effects or critical hazards. Reproductive toxicity : No known significant effects or critical hazards.

#### **Numerical measures of toxicity**

**Acute toxicity estimates** 

# Section 11. Toxicological information

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
Berichrom® F XIII Activator Reagent					
Berichrom® F XIII Activator Reagent sodium azide	1363.6 27	1010.1 20	N/A N/A	N/A N/A	N/A N/A
Berichrom® F XIII Activator Diluent					
Berichrom® F XIII Activator Diluent	324.1	240.1	N/A	N/A	N/A
sodium azide	27	20	N/A	N/A	N/A
Berichrom® F XIII Detection Reagent					
Berichrom® F XIII Detection Reagent	663.4	491.4	N/A	N/A	N/A
sodium azide	27	20	N/A	N/A	N/A

Interactive effects Not available. : Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available.

Other information : Berichrom® F XIII Activator Reagent Not available. Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available.

# Section 12. Ecological information

#### Toxicity

Product/ingredient name	Result	Species	Exposure
Berichrom® F XIII Activator			
Reagent			
sodium azide	Acute EC50 9200 μg/l Marine water	Algae - Macrocystis pyrifera	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours
Berichrom® F XIII Activator Diluent			
sodium azide	Acute EC50 9200 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours
oddain deido	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours
Berichrom® F XIII			
<b>Detection Reagent</b>			
sodium azide	Acute EC50 9200 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours
Conclusion/Summary	: Berichrom® F XIII Activator Reagent	Not available.	
	Berichrom® F XIII Activator Diluent	Not available.	

Berichrom® F XIII Detection Reagent

Not available.

#### Persistence and degradability

Conclusion/Summary : Berichrom® F XIII Activator Reagent Not available. Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available.

Date of issue/Date of revision 14/20 : 3/19/2024 : No previous validation Version :1 Date of previous issue

# Section 12. Ecological information

#### Bioaccumulative potential

Not available.

#### **Mobility in soil**

Mobility

Soil/water partition coefficient (Koc)

: Berichrom® F XIII Activator Reagent Not available. Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available. Not available. Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent Not available. Berichrom® F XIII Detection Reagent Not available.

Other adverse effects

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

#### Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

#### United States - RCRA Acute hazardous waste "P" List

Ingredient	CAS#	Status	Reference number
Berichrom® F XIII Activator Reagent Sodium azide	26628-22-8	Listed	P105
Berichrom® F XIII Activator Diluent Sodium azide	26628-22-8	Listed	P105
Berichrom® F XIII Detection Reagent Sodium azide	26628-22-8	Listed	P105

# Section 14. Transport information

#### **DOT Classification**

**UN** number Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent

Not regulated. UN3288 UN3288

**UN** proper shipping name Berichrom® F XIII Detection Reagent Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent

TOXIC SOLID, INORGANIC, N.O.S. (sodium

Berichrom® F XIII Detection Reagent

TOXIC SOLID, INORGANIC, N.O.S. (sodium

azide)

**Transport** hazard class(es)

Berichrom® F XIII Activator Reagent

6.1

Berichrom® F XIII Activator Diluent Berichrom® F XIII Detection Reagent 6.1



Date of issue/Date of revision : 3/19/2024 15/20 Date of previous issue : No previous validation Version : 1

# **Section 14. Transport information**

Packing group	Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent Berichrom® F XIII Detection Reagent	-     
Environmental hazards	Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent Berichrom® F XIII Detection Reagent	No. No. No.
Additional information	Berichrom® F XIII Activator Reagent Berichrom® F XIII Activator Diluent	-

Berichrom® F XIII Detection Reagent

#### **TDG Classification**

UN number	Berichrom® F XIII Activator Reagent	Not regulated.
	Berichrom® F XIII Activator Diluent	UN3288
	Berichrom® F XIII Detection Reagent	UN3288

UN proper	Berichrom® F XIII Activator Reagent	-
shipping name	Berichrom® F XIII Activator Diluent	TOXIC SOLID, INORGANIC, N.O.S. (sodium
		azide)

Berichrom® F XIII Detection Reagent

TOXIC SOLID, INORGANIC, N.O.S. (sodium

azide)

Transport Berichrom® F XIII Activator Reagent hazard class(es) Berichrom® F XIII Activator Diluent 6.1
Berichrom® F XIII Detection Reagent 6.1



Packing group	Berichrom® F XIII Activator Reagent	_

Berichrom® F XIII Activator Diluent
Berichrom® F XIII Detection Reagent
Berichrom® F XIII Activator Reagent
Berichrom® F XIII Activator Diluent
No.
Berichrom® F XIII Detection Reagent
No.

Additional Berichrom® F XIII Activator Reagent information Berichrom® F XIII Activator Diluent

erichrom® F XIII Activator Diluent Product classified as per the following sections of

the Transportation of Dangerous Goods

Regulations: 2.26-2.36 (Class 6).

Berichrom® F XIII Detection Reagent Product classified as per the following sections of

the Transportation of Dangerous Goods

Regulations: 2.26-2.36 (Class 6).

#### ADR/RID

UN number	Berichrom® F XIII Activator Reagent	Not regulated.
	Berichrom® F XIII Activator Diluent	UN3288
	Berichrom® F XIII Detection Reagent	UN3288

UN proper Berichrom® F XIII Activator Reagent

shipping name Berichrom® F XIII Activator Diluent TOXIC SOLID, INORGANIC, N.O.S. (sodium

azide)

Berichrom® F XIII Detection Reagent TOXIC SOLID, INORGANIC, N.O.S. (sodium

azide)

Transport Berick hazard class(es) Berick

**Environmental** 

hazards

Berichrom® F XIII Activator Reagent
Berichrom® F XIII Activator Diluent
Berichrom® F XIII Detection Reagent
6.1



Packing group Berichrom® F XIII Activator Reagent

Berichrom® F XIII Activator Diluent III
Berichrom® F XIII Detection Reagent III

**Environmental** 

**Environmental** 

# Section 14. Transport information

Berichrom® F XIII Activator Reagent Environmental No. Berichrom® F XIII Activator Diluent hazards No. Berichrom® F XIII Detection Reagent No.

Additional Berichrom® F XIII Activator Reagent

Berichrom® F XIII Activator Diluent information Tunnel code (E) Berichrom® F XIII Detection Reagent Tunnel code (E)

**IMDG** 

Berichrom® F XIII Activator Reagent Not regulated. UN number Berichrom® F XIII Activator Diluent UN3288

Berichrom® F XIII Detection Reagent UN3288

Berichrom® F XIII Activator Reagent **UN proper** 

Berichrom® F XIII Activator Diluent TOXIC SOLID, INORGANIC, N.O.S. (sodium shipping name

TOXIC SOLID, INORGANIC, N.O.S. (sodium Berichrom® F XIII Detection Reagent

azide)

Berichrom® F XIII Activator Reagent **Transport** hazard class(es)

Berichrom® F XIII Activator Diluent 6.1 Berichrom® F XIII Detection Reagent 6.1

Packing group Berichrom® F XIII Activator Reagent

Berichrom® F XIII Activator Diluent Ш Berichrom® F XIII Detection Reagent Ш Berichrom® F XIII Activator Reagent No. Berichrom® F XIII Activator Diluent No.

hazards Berichrom® F XIII Detection Reagent No. Berichrom® F XIII Activator Reagent Additional

Berichrom® F XIII Activator Diluent information Berichrom® F XIII Detection Reagent

**IATA** 

**UN number** Berichrom® F XIII Activator Reagent Not regulated. Berichrom® F XIII Activator Diluent UN3288

Berichrom® F XIII Detection Reagent UN3288

**UN proper** Berichrom® F XIII Activator Reagent

Berichrom® F XIII Activator Diluent TOXIC SOLID, INORGANIC, N.O.S. (sodium shipping name

Berichrom® F XIII Detection Reagent TOXIC SOLID, INORGANIC, N.O.S. (sodium

azide)

Berichrom® F XIII Activator Reagent **Transport** hazard class(es) Berichrom® F XIII Activator Diluent 6.1

Berichrom® F XIII Detection Reagent 6.1

Packing group Berichrom® F XIII Activator Reagent

> Berichrom® F XIII Activator Diluent Ш Berichrom® F XIII Detection Reagent Ш Berichrom® F XIII Activator Reagent No.

Berichrom® F XIII Activator Diluent hazards No. Berichrom® F XIII Detection Reagent No.

Additional Berichrom® F XIII Activator Reagent information Berichrom® F XIII Activator Diluent Berichrom® F XIII Detection Reagent

Date of issue/Date of revision : 3/19/2024 17/20 Date of previous issue : No previous validation Version : 1

# Section 14. Transport information

Special precautions for user : Berichrom® F XIII Activator Reagent Transport within user's premises:

> always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or

spillage.

Berichrom® F XIII Activator Diluent

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Berichrom® F XIII Detection Reagent

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according: Not applicable.

to IMO instruments

### Section 15. Regulatory information

: TSCA 8(a) CDR Exempt/Partial exemption: Not determined U.S. Federal regulations

Clean Air Act Section 112

(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 : Not listed

Class I Substances

Clean Air Act Section 602

**Class II Substances** 

: Not listed

: Not listed

**DEA List I Chemicals** 

(Precursor Chemicals)

: Not listed

**DEA List II Chemicals** 

(Essential Chemicals)

: Not listed

**SARA 302/304** 

#### Composition/information on ingredients

			SARA 302 TPQ		SARA 304 RQ	
Name	%	EHS	(lbs)	(gallons)	(lbs)	(gallons)
Berichrom® F XIII Activator Reagent sodium azide	1.98	Yes.	500	-	1000	-
Berichrom® F XIII Activator Diluent sodium azide	8.33	Yes.	500	-	1000	-
Berichrom® F XIII Detection Reagent sodium azide	4.07	Yes.	500	-	1000	-

SARA 304 RQ : 20862.3 lbs / 9471.5 kg

**SARA 311/312** 

Classification : ACUTE TOXICITY (oral) - Category 4

ACUTE TOXICITY (dermal) - Category 3 SERIOUS EYE DAMAGE - Category 1

Composition/information on ingredients

Date of issue/Date of revision 18/20 : 3/19/2024 Date of previous issue Version : 1 : No previous validation

# Section 15. Regulatory information

Name	%	Classification
Berichrom® F XIII Activator		
Reagent		
Calcium chloride (CaCl2), dihydrate	≤5	EYE IRRITATION - Category 2A
sodium azide	<2	ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (dermal) - Category 1
Thrombin	≤0.3	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A RESPIRATORY SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Berichrom® F XIII Activator Diluent		
sodium azide	<9	ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (dermal) - Category 1
Berichrom® F XIII Detection Reagent		
ethyl glycinate hydrochloride sodium azide	≥10 - ≤25 ≤5	SERIOUS EYE DAMAGE - Category 1 ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (dermal) - Category 1

#### **SARA 313**

	Product name	CAS number	%
Form R - Reporting requirements	Berichrom® F XIII Activator Reagent sodium azide	26628-22-8	1.98
	Berichrom® F XIII Activator Diluent sodium azide	26628-22-8	8.33
	Berichrom® F XIII Detection Reagent sodium azide	26628-22-8	4.07
Supplier notification	Berichrom® F XIII Activator Reagent sodium azide	26628-22-8	1.98
	Berichrom® F XIII Activator Diluent sodium azide	26628-22-8	8.33
	Berichrom® F XIII Detection Reagent sodium azide	26628-22-8	4.07

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

#### State regulations

Massachusetts: The following components are listed: SODIUM AZIDENew York: The following components are listed: Sodium azideNew Jersey: The following components are listed: SODIUM AZIDEPennsylvania: The following components are listed: SODIUM AZIDE

#### California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

#### **International regulations**

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

# Section 16. Other information

<u>History</u>

Date of issue/Date of

revision

: 3/19/2024

Version : 1

**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations N/A = Not available SGG = Segregation Group

▼ Indicates information that has changed from previously issued version.

Date of issue/Date of revision: 3/19/2024Date of previous issue: No previous validationVersion: 120/20