

Quick III Stain Set

Revision Date: 07/22/19

1. PRODUCT AND COMPANY IDENTIFICATION

- **1.1 Product identifier**Trade name: Quick III Stain Set
Product code(s): 5303, 5316**1.2 Relevant identified use**Laboratory Reagent
- 1.3 Supplier Company: Astral Diagnostics Inc. 1224 Forest Parkway Suite 200 West Deptford, NJ 08066 Tel: 856.224.0900

1.4 Emergency Telephone CHEMTREC 800.424.9300

This product is a kit which contains the following, refer to the SDS data for each of the components listed.

Component Name:	Quick III Fixative
Component Identifier:	5303A, 5317-16
Component Name:	Quick III Solution I
Component Identifier:	5303B, 5318-16
Component Name:	Quick III solution II
Component Identifier:	5303C, 5319-16

Quick III Fixative

Revision Date: 01/08/19

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier	Trade name: Quick III Fixative Product code(s): 5303A, 5317-16
1.2 Relevant identified uses	Laboratory Reagent
Supplier:	Astral Diagnostics Inc.
	800-441-0366 Technical Service Monday-Friday: 8:00 -5:00 PM
Synonym: Material uses: Validation date: In case of emergency:	None. Laboratory Reagent. 12/11/2013 800-424-9300 CHEMTREC (USA) 24 Hours/Day: 7 Days/Week

2. HAZARDS IDENTIFICATION

Emergency Overview:

GHS Label Elements: Pictogram



Hazard statement(s):

H225: Highly flammable liquid vapour H301+H311+H331: Toxic if swallowed, in contact with skin or if inhaled H370: Causes damage to organs

Precautionary statement(s):

P210: Keep away from heat/sparks/open flames. No smokingP233: Keep container tightly closedP242: Use only non-spark toolsP264: Wash skin thoroughly after handling

NFPA Rating

HMIS Classification

Health hazard: 2 Fire: 3 Reactivity Hazard: 0 Health hazard: 2 Flammability: 3 Physical hazards: 0

- Potential Health Effects :
- : Inhalation May cause respiratory tract irritation. Skin - May cause skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name Methanol **CAS number** 67-56-1

% by volume <100

4. FIRST AID MEASURES

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

- **First-aid measures after skin contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.
- **First-aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
- First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand. Unsuitable extinguishing media: Do not use a heavy water stream

5.2 Special hazards arising from the substance or mixture

No additional information available

5.3 Advice for firefighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water form entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3. Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection. Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

Incompatible products: Strong oxidizers. Strong reducing agents. Strong bases. **Incompatible materials:** Sources of ignition. Direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Component	Source	Туре	Value	Note
Methanol	ACGIH	TWA	200 ppm	
	ACGIH	STEL	250 ppm	
	NIOSH	TWA	260 mg/m3, 200 ppm	
	OSHA	TWA	260 mg/m3, 200 ppm	

Personal protective equipment: Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or face shield.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask. Gas mask with filter type B.

Other information: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid. Flash Point: Closed cup: 9.7°C (49.5°F) pH:NA Melting/freezing point: -98°C Vapor pressure: 97.7 mmHg at 20.0°C Odor threshold: NA VOC: NA Color: light blue Odor: Pungent Boiling/condensation point: NA Relative density: 0.791 g/ml at 25°C Vapor density: 1.11 Evaporation rate: NA Solubility: Soluble in the following materials: water

Upper/Lower flammability: Upper- 36%, Lower- 6%

10. STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available

10.2. Chemical stability

Stable under recommended conditions.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air

10.4. Conditions to avoid

Heat, flames and sparks

10.5. Incompatible materials

Acid chlorides, acid anhydrides, oxidizing agents, alkali metals, reducing agents, acids.

10.6. Hazardous decomposition products

Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

 Methanol
 1,187-2,769 mg/kg

 LD50 oral rat
 1,187-2,769 mg/kg

 LC50 inhalation rat (mg/l)
 128.2 mg/l (4hr)

 LC50 inhalation rat (mg/l)
 87.6 mg/l (6hr)

 LD50 Dermal rabbit
 17,100 mg/kg

Skin corrosion/irritation: Not classified Serious eye damage/irritation: No irritating effect Respiratory or skin sensitization: Not classified Germ cell mutagenicity: Not classified Carcinogenicity: Not Classified

12. ECOLOGICAL INFORMATION

Toxicity: Mortality LC50- Lepomis macrochirus: 15,400 mg/l (96h) NOEC- Oryzias latipes : 7,900 mg/l (200h) Persistence and degradability: Biodegradibility: 72% (aerobic-exposure time 5 d) Bioaccumulative potential: Biaccumlation: Cyrinus carpio- 72d at 20°C, 5 mg/l Mobility in soil: Will not adsorb on soil PBT and vPvB assessment: no data available Other adverse effects:

Stability in water at 19°C 83-91%- 72hr

13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT (US) UN number: 1230 Class: 3 Packing Group: II Proper Shipping name: Methanol Reportable Quantity: 5000lb

IMDG/IATA

UN number: 1230 Class: 3 (6.1) Packing Group: II Proper Shipping name: Methanol

15. REGULATORY INFORMATION

15.1 US Federal regulations

Methanol RQ 5000 lb SARA Section 311/312 Hazardous Classes: Immediate health hazard, fire hazard

15.2 International regulations

Methanol

WHMIS Classification: Class B Division 2-Flammable Liquid, Class D Division 2 Subdivision A- Very toxic material causing other toxic effects, Class D Division 2 subdivision B- Toxic material causing other toxic effects

15.3 California Proposition 65

WARNING: This product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

16. OTHER INFORMATION

National Fire Protection Association (U.S.A.)



Notice to reader

This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall Astral Diagnostics, Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.

Quick III, Solution I

Revision Date: 9/11/17

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier	Trade name: Quick III, Solution I Product code(s): 5303B, 5318-16
1.2 Relevant identified uses	Laboratory Reagent
Supplier:	Astral Diagnostics Inc.
	800-441-0366 Technical Service Monday-Friday: 8:00 -5:00 PM
Synonym: Material uses: Validation date: In case of emergency:	None. Laboratory Reagent. 12/11/2013 800-424-9300 CHEMTREC (USA) 24 Hours/Day: 7 Days/Week

2. HAZARDS IDENTIFICATION

Emergency Overview:

- 2.1 Classification of the substance or mixture GHS-US Classification Not Classified
- 2.2 Label elements GHS-US labeling No labelling applicable 2.3 Other hazards
- None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
Eosin Y	17372-87-1	<1
Sodium Phosphate Dibasic	7558-79-4	<1
Potassium Phosphate, Mono	7778-77-0	<1
Sodium Azide	26628-22-8	Trace
Water	7732-18-5	~99

4. FIRST AID MEASURES

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

5. FIREFIGHTING MEASURES

Flammability of the product: Non-Flammable

Extinguishing media: Use suitable media for surrounding materials. Use water fog, avoid direct stream.

Special exposure hazards: Avoid contact with strong oxidizers

Hazardous thermal

decomposition products: Decomposition products: carbon dioxide, carbon monoxide

Special protective

equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment for surroundings.

Explosion hazards: Not-applicable

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures 6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3. Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection. Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

Incompatible products: Strong oxidizers. Strong reducing agents. Strong bases. **Incompatible materials:** Sources of ignition. Direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Component	Source	Туре	Value	Note
Sodium Azide	ACGIH	TLV	0.29 mg/m3	
	OSHA	PEL (TWA)	0.1 ppm	
	NIOSH	CEIL	0.3 mg/m3	

Personal protective equipment: Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or face shield.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask. Gas mask with filter type B.

Other information: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:		Liquid.	Color:		Red/Orange
Flash Point:	NA		Odor:	None	-
pH:	6.7		Boiling/condensation poin	t:	>100°C
Melting/freezing p	oint:	<0°C	Relative density:		NA
Vapor pressure:	NA		Vapor density:		NA
Odor threshold:	NA		Evaporation rate:	NA	
VOC:	NA		Solubility: Soluble in the fol	lowing r	naterials: water

10. STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available

10.2. Chemical stability

Stable under normal conditions.

- **10.3. Possibility of hazardous reactions** Not established.
- 10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizers. Strong acids.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Water (7732-18-5) LD50 oral rat ATE US (oral)

≥ 90000 mg/kg 90000.000 mg/kg body weight Sodium Azide (26628-22-8)LD50 Oral Mouse27 mg/kgLD50 Dermal, Rabbit20 mg/kg

Skin corrosion/irritation: Not Classified Serious eye damage/irritation: Not Classified Respiratory or skin sensitization: Not classified Germ cell mutagenicity: Not classified Carcinogenicity: Not Classified

12. ECOLOGICAL INFORMATION

Toxicity:no data availablePersistence and degradability:no data availableBioaccumulative potential:no data availableMobility in soil:no data availablePBT and vPvB assessment:no data availableOther adverse effects:no data available

13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT (US) Not Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulation

This material does not contain one or more of the following chemicals required to be identified under SARA Sections 302/304, SARA Section 313, CERCLA, TSCA 12(b), and /or required an OSHA process safety plan.

SARA 311/312 Acute Health: No Chronic Health: No Fire: Yes, Pressure: No, Reactive: No

California Proposition 65

Not regulated under California Proposition 65

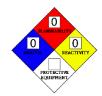
Canada WHMIS

WHMIS Classification

Uncontrolled product according to classification criteria

16. OTHER INFORMATION

National Fire Protection Association (U.S.A.)



Notice to reader

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Quick III, Solution II

Revision Date: 9/11/17

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier	Trade name: Quick III, Solution II Product code(s): 5303C, 5319-16
1.2 Relevant identified uses	Laboratory Reagent
Supplier:	Astral Diagnostics Inc.
	800-441-0366 Technical Service Monday-Friday: 8:00 -5:00 PM
Synonym: Material uses: Validation date: In case of emergency:	None. Laboratory Reagent. 12/11/2013 800-424-9300 CHEMTREC (USA) 24 Hours/Day: 7 Days/Week

2. HAZARDS IDENTIFICATION

Emergency Overview:

- 2.1 Classification of the substance or mixture GHS-US Classification Not Classified
- 2.2 Label elements GHS-US labeling No labelling applicable 2.3 Other hazards
- None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume	
Azure A	531-53-3	<1	
Methylene Blue	7220-79-3	<1	
Sodium Phosphate, Dibasic	7558-79-4	<1	
Potassium Phosphate, Mono	7778-77-0	<1	
Sodium Azide	26628-22-8	Trace	
Water	7732-18-5	~99	

4. FIRST AID MEASURES

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

5. FIREFIGHTING MEASURES

Flammability of the product: Non-Flammable

Extinguishing media: Use suitable media for surrounding materials. Use water fog, avoid direct stream.

Special exposure hazards: Avoid contact with strong oxidizers

Hazardous thermal

decomposition products: Decomposition products: carbon dioxide, carbon monoxide

Special protective

equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment for surroundings.

Explosion hazards: Not-applicable

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures 6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3. Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection. Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

Incompatible products: Strong oxidizers. Strong reducing agents. Strong bases. **Incompatible materials:** Sources of ignition. Direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Component	Source	Туре	Value	Note
Sodium Azide	ACGIH	TLV	0.29 mg/m3	
	OSHA	PEL (TWA)	0.1 ppm	
	NIOSH	CEIL	0.3 mg/m3	

Personal protective equipment: Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or face shield.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask. Gas mask with filter type B.

Other information: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:		Liquid.	Color:	Blue
Flash Point:	NA		Odor: No	one
pH:	6.8		Boiling/condensation point:	>100°C
Melting/freezing p	oint:	<0°C	Relative density:	NA
Vapor pressure:	NA		Vapor density:	NA
Odor threshold:	NA		Evaporation rate: N	A
VOC:	NA		Solubility: Soluble in the follow	ng materials: water

10. STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available

10.2. Chemical stability

Stable under normal conditions.

- **10.3. Possibility of hazardous reactions** Not established.
- 10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizers. Strong acids.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Water (7732-18-5) LD50 oral rat ATE US (oral)

≥ 90000 mg/kg 90000.000 mg/kg body weight Sodium Azide (26628-22-8)LD50 Oral Mouse27 mg/kgLD50 Dermal, Rabbit20 mg/kg

Skin corrosion/irritation: Not Classified Serious eye damage/irritation: Not Classified Respiratory or skin sensitization: Not classified Germ cell mutagenicity: Not classified Carcinogenicity: Not Classified

12. ECOLOGICAL INFORMATION

Toxicity:no data availablePersistence and degradability:no data availableBioaccumulative potential:no data availableMobility in soil:no data availablePBT and vPvB assessment:no data availableOther adverse effects:no data available

13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT (US) Not Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulation

This material does not contain one or more of the following chemicals required to be identified under SARA Sections 302/304, SARA Section 313, CERCLA, TSCA 12(b), and /or required an OSHA process safety plan.

SARA 311/312 Acute Health: No Chronic Health: No Fire: Yes, Pressure: No, Reactive: No

California Proposition 65

Not regulated under California Proposition 65

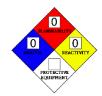
Canada WHMIS

WHMIS Classification

Uncontrolled product according to classification criteria

16. OTHER INFORMATION

National Fire Protection Association (U.S.A.)



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