# SAFETY DATA SHEET

Revision Date 27-Jun-2018

1. Identification	
TB Kinyoun AFB Stain Kit	
R40112	
No information available	

Recommended Use Uses advised against

**Product Name** 

Cat No. :

Synonyms

Laboratory chemicals. Food, drug, pesticide or biocidal product use

## Details of the supplier of the safety data sheet

<u>Company</u> Remel 12076 Santa Fe Drive Lenexa, KS 66215 United States Telephone: 1-800-255-6730 Fax:1-800-621-8251

## **Emergency Telephone Number**

INFOTRAC - 24 Hour Number: 1-800-535-5053 Outside of the United States, call 24 Hour Number: 001-352-323-3500 (Call Collect)

# 2. Hazard(s) identification

## **Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids	Category 2
Corrosive to metals	Category 1
Skin Corrosion/irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1
Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 2
Target Organs - Respiratory system, Central nervous system	(CNS).

## Label Elements

#### Signal Word Danger

Dangei

## Hazard Statements

Highly flammable liquid and vapor May be corrosive to metals Causes skin irritation Causes serious eye damage Suspected of causing genetic defects May cause cancer May cause damage to organs **Revision Number** 4



#### **Precautionary Statements** Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not breathe dust/fume/gas/mist/vapors/spray

Do not eat, drink or smoke when using this product

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed

Ground/bond container and receiving equipment Use explosion-proof electrical/ventilating/lighting/equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Keep only in original container

#### Response

IF exposed or concerned: Get medical attention/advice

## Skin

If skin irritation occurs: Get medical advice/attention

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

## Eves

IF IN EYES: 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

#### Fire

In case of fire: Use CO2, dry chemical, or foam for extinction

#### Spills

Absorb spillage to prevent material damage

## Storage

Store locked up

Store in a well-ventilated place. Keep cool

Store in corrosive resistant polypropylene container with a resistant inliner

#### Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

WARNING. Cancer and Reproductive Harm - https://www.p65warnings.ca.gov/.

## Composition/Information on Ingredients

Component	CAS-No	Weight %
Phenol	108-95-2	3
Ethyl alcohol	64-17-5	65
Methyl alcohol	67-56-1	1
Methylene blue	61-73-4	0.3
Isopropyl alcohol	67-63-0	1.67
Hydrochloric acid	7647-01-0	1
C.I. Basic red 9 monohydrochloride	569-61-9	1

## 4. First-aid measures

General Advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.
Ingestion	Do not induce vomiting. Call a physician or Poison Control Center immediately.
Most important symptoms and effects	None reasonably foreseeable Causes severe eye damage. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting
Notes to Physician	Treat symptomatically
	5. Fire-fighting measures
Suitable Extinguishing Media	Cool closed containers exposed to fire with water spray.

Suitable Extinguishing Media	Cool closed containers exposed to fire with
Unsuitable Extinguishing Media	No information available
Flash Point Method -	No information available No information available
Autoignition Temperature Explosion Limits	No information available
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

## **Specific Hazards Arising from the Chemical**

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

## **Hazardous Combustion Products**

Thermal decomposition can lead to release of irritating gases and vapors

## Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

<u>NFPA</u>	Health 3	Flammability 3	<b>Instability</b> 0	Physical hazards N/A
		6. Accidental rel	ease measures	
Persona	I Precautions	ignition. Take precautionary		ntilation. Remove all sources of harges. Keep people away from s.
Refer to	protective measures listed	d in Sections 7 and 8	•	
Environ	mental Precautions	Do not flush into surface wa	ater or sanitary sewer system.	

Methods for Containment and CleanSoak up with inert absorbent material. Keep in suitable, closed containers for disposal.UpRemove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

	7. Handling and storage
Handling Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Ke from open flames, hot surfaces and sources of ignition. Use only non-sparking tools avoid ignition of vapors by static electricity discharge, all metal parts of the equipment be grounded. Take precautionary measures against static discharges. Use only und chemical fume hood. Do not breathe vapors or spray mist. Do not ingest.	
Storage	Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep away from heat and sources of ignition.

8. Exposure controls / personal protection

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Phenol	TWA: 5 ppm	(Vacated) TWA: 5 ppm	IDLH: 250 ppm	TWA: 5 ppm
	Skin	(Vacated) TWA: 19 mg/m <sup>3</sup>	TWA: 5 ppm	TWA: 19 mg/m <sup>3</sup>
		Skin	TWA: 19 mg/m <sup>3</sup>	STEL: 10 ppm
		TWA: 5 ppm	Ceiling: 15.6 ppm	STEL: 38 mg/m <sup>3</sup>
		TWA: 19 mg/m <sup>3</sup>	Ceiling: 60 mg/m <sup>3</sup>	
Ethyl alcohol	STEL: 1000 ppm	(Vacated) TWA: 1000 ppm	IDLH: 3300 ppm	TWA: 1000 ppm
-		(Vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 1000 ppm	TWA: 1900 mg/m <sup>3</sup>
		TWA: 1000 ppm	TWA: 1900 mg/m <sup>3</sup>	
		TWA: 1900 mg/m <sup>3</sup>	-	
Methyl alcohol	TWA: 200 ppm	(Vacated) TWA: 200 ppm	IDLH: 6000 ppm	TWA: 200 ppm
-	STEL: 250 ppm	(Vacated) TWA: 260 mg/m <sup>3</sup>	TWA: 200 ppm	TWA: 260 mg/m <sup>3</sup>
	Skin	(Vacated) STEL: 250 ppm	TWA: 260 mg/m <sup>3</sup>	STEL: 250 ppm
		(Vacated) STEL: 325 mg/m <sup>3</sup>	STEL: 250 ppm	STEL: 310 mg/m <sup>3</sup>
		Skin	STEL: 325 mg/m <sup>3</sup>	_
		TWA: 200 ppm	-	
		TWA: 260 mg/m <sup>3</sup>		
Isopropyl alcohol	TWA: 200 ppm	(Vacated) TWA: 400 ppm	IDLH: 2000 ppm	TWA: 400 ppm
	STEL: 400 ppm	(Vacated) TWA: 980 mg/m <sup>3</sup>	TWA: 400 ppm	TWA: 980 mg/m <sup>3</sup>
		(Vacated) STEL: 500 ppm	TWA: 980 mg/m <sup>3</sup>	STEL: 500 ppm
		(Vacated) STEL: 1225	STEL: 500 ppm	STEL: 1225 mg/m <sup>3</sup>
		mg/m <sup>3</sup>	STEL: 1225 mg/m <sup>3</sup>	
		TWA: 400 ppm	-	
		TWA: 980 mg/m <sup>3</sup>		
Hydrochloric acid	Ceiling: 2 ppm	Ceiling: 5 ppm	IDLH: 50 ppm	Ceiling: 5 ppm
		Ceiling: 7 mg/m <sup>3</sup>	Ceiling: 5 ppm	Ceiling: 7 mg/m <sup>3</sup>
		(Vacated) Ceiling: 5 ppm	Ceiling: 7 mg/m <sup>3</sup>	
		(Vacated) Ceiling: 7 mg/m <sup>3</sup>		

## <u>Legend</u>

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

#### **Engineering Measures**

Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment.

## Personal Protective Equipment

Eye/face Protection

Tightly fitting safety goggles. Face-shield.

Skin and body protection	Long sleeved clothing.
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hygiene Measures	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. For environmental protection remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection.

9. Phys	sical and chemical properties
Physical State	Liquid
Appearance	No information available
Odor	No information available
Odor Threshold	No information available
pH	No information available
Melting Point/Range	No data available
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available
VOC Content(%)	70.67
10	). Stability and reactivity

Reactive Hazard None known, based on information available			
Stability Stable under normal conditions.			
<b>Conditions to Avoid</b> Keep away from open flames, hot surfaces and sources of ignition. Exposure to air or moisture over prolonged periods.			
Incompatible Materials Strong oxidizing agents			
Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors			
Hazardous Polymerization Hazardous polymerization does not occur.			
Hazardous Reactions	None under normal processing.		
	11. Toxicological information		

Acute Toxicity

Product Information Oral LD50

Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.

#### Dermal LD50 Vapor LC50 . .

Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg. Based on ATE data, the classification criteria are not met. ATE > 20 mg/l.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	
Phenol	LD50 = 317 mg/kg (Rat) LD50 = 340 mg/kg (Rat)	LD50 = 630 mg/kg (Rabbit)	LC50 = 316 mg/m <sup>3</sup> (Rat) 4 h	
Ethyl alcohol	LD50 = 7060 mg/kg (Rat)	Not listed	20000 ppm/10H(Rat)	
Methyl alcohol	Calc. ATE 60 mg/kg LD50 > 1187 – 2769 mg/kg ( Rat )	<b>Calc. ATE 60 mg/kg</b> LD50 = 17100 mg/kg(Rabbit)	Calc. ATE 0.6 mg/L (vapours) o 0.5 mg/L (mists) LC50 = 128.2 mg/L ( Rat ) 4 h	
Methylene blue	LD50 = 1180 mg/kg (Rat)	Not listed	Not listed	
Isopropyl alcohol	5840 mg/kg (Rat)	13900 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat)4 h	
Hydrochloric acid	238 - 277 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	1.68 mg/L (Rat) 1 h	

## **Toxicologically Synergistic**

#### No information available

#### Products

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization

No information available

Carcinogenicity

This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B). The table below indicates whether each agency has listed any ingredient as a carcinogen.

Group 1 - Carcinogenic to Humans

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Phenol	108-95-2	Not listed	Not listed	Not listed	Not listed	Not listed
Ethyl alcohol	64-17-5	Group 1	Known	A3	X	Not listed
Methyl alcohol	67-56-1	Not listed	Not listed	Not listed	Not listed	Not listed
Methylene blue	61-73-4	Not listed	Not listed	Not listed	Not listed	Not listed
Isopropyl alcohol	67-63-0	Not listed	Not listed	Not listed	Not listed	Not listed
Hydrochloric acid	7647-01-0	Not listed	Not listed	Not listed	Not listed	Not listed
C.I. Basic red 9	569-61-9	Group 2B	Reasonably	Not listed	Х	Not listed
monohydrochloride			Anticipated			
IARC: (International Agency for Research on Cancer)			IARC: (Inte	rnational Agency for	Research on Cancer	)

NTP: (National Toxicity Program) ACGIH: (American Conference of Governmental Industrial Hygienists)		Group 2A - Probably Carcinogenic to Humans Group 2B - Possibly Carcinogenic to Humans NTP: (National Toxicity Program) Known - Known Carcinogen Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen A1 - Known Human Carcinogen A2 - Suspected Human Carcinogen A3 - Animal Carcinogen A3 - Animal Carcinogen
Mutagenic Effects	No information available	ACGIH: (American Conference of Governmental Industrial Hygienists)
Reproductive Effects	No information available.	
Developmental Effects	No information available.	
Teratogenicity	No information available.	
STOT - single exposure STOT - repeated exposure	Respiratory system Centre None known	ral nervous system (CNS)
Aspiration hazard	No information available	

Symptoms / effects,both acute and delayed	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting
Endocrine Disruptor Information	No information available
Other Adverse Effects	The toxicological properties have not been fully investigated.
	12. Ecological information

## Ecotoxicity

Contains a substance which is:. The product contains following substances which are hazardous for the environment. Very toxic to aquatic organisms.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Component Phenol	Freshwater Algae EC50: 187 - 279 mg/L, 72h static (Desmodesmus subspicatus) EC50: 0.0188 - 0.1044 mg/L, 96h static (Pseudokirchneriella subcapitata) EC50: = 46.42 mg/L, 96h (Pseudokirchneriella subcapitata)	Freshwater Fish 4-7 mg/L LC50 96 h 32 mg/L LC50 96 h	Microtox EC50 21 - 36 mg/L 30 min EC50 = 23.28 mg/L 5 min EC50 = 25.61 mg/L 15 min EC50 = 28.8 mg/L 5 min EC50 = 31.6 mg/L 15 min	Water Flea EC50: 10.2 - 15.5 mg/L, 48 (Daphnia magna) EC50: 4.24 - 10.7 mg/L, 48 Static (Daphnia magna)
Ethyl alcohol	EC50 (72h) = 275 mg/l (Chlorella vulgaris)	Fathead minnow (Pimephales promelas) LC50 = 14200 mg/l/96h	Photobacterium phosphoreum:EC50 = 34634 mg/L/30 min Photobacterium phosphoreum:EC50 = 35470 mg/L/5 min	
Methyl alcohol	Not listed	Pimephales promelas: LC50 > 10000 mg/L 96h	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	EC50 > 10000 mg/L 24h
Isopropyl alcohol	EC50: > 1000 mg/L, 72h (Desmodesmus subspicatus) EC50: > 1000 mg/L, 96h (Desmodesmus subspicatus)	LC50: = 11130 mg/L, 96h static (Pimephales promelas) LC50: > 1400000 μg/L, 96h (Lepomis macrochirus) LC50: = 9640 mg/L, 96h flow-through (Pimephales promelas)	= 35390 mg/L EC50 Photobacterium phosphoreum 5 min	13299 mg/L EC50 = 48 h 9714 mg/L EC50 = 24 h
Hydrochloric acid	-	282 mg/L LC50 96 h Gambusia affinis mg/L LC50 48 h Leucscus idus	-	56mg/L EC50 72h Daphnia

## **Bioaccumulation/Accumulation**

No information available.

## Mobility

Component	log Pow
Phenol	1.5
Ethyl alcohol	-0.32
Methyl alcohol	-0.74
Isopropyl alcohol	0.05

## 13. Disposal considerations

Should not be released into the environment. Waste Disposal Methods

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Component	RCRA - U Series Wastes	RCRA - P Series Wastes
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Phenol - 108-95-2	U188 -			
Methyl alcohol - 67-56-1	U154 -			
	14. Transport information			
DOT				
	24			
Proper Shipping Name Ale	cohols,n.o.s., (Ethanol, Methanol)			
Proper technical name (E	thanol, Hydrochloric Acid)			
Hazard Class 3,8	3			
Packing Group				
TDG				
<b>UN-No</b> 29	24			
Proper Shipping Name Ale	Alcohols,n.o.s., (Ethanol, Methanol)			
Proper technical name (E	(Ethanol, Hydrocholoric Acid)			
Hazard Class 3,8	3,8			
Packing Group				
IATA				
<b>UN-No</b> 29	24			
Proper Shipping Name Ale	cohols,n.o.s., (Ethanol, Methanol)			
Hazard Class 3,8	3			
Packing Group				
IMDG/IMO				
<b>UN-No</b> 29	24			
	Alcohols,n.o.s., (Ethanol, Methanol)			
Hazard Class 3,8	3,8			
Packing Group				
	15. Regulatory information			

All of the components in the product are on the following Inventory lists: X = listed

## International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Phenol	Х	Х	-	203-632-7	-		Х	Х	Х	Х	Х
Ethyl alcohol	Х	Х	-	200-578-6	-		Х	Х	Х	Х	Х
Methyl alcohol	Х	Х	-	200-659-6	-		Х	Х	Х	Х	Х
Methylene blue	Х	Х	-	200-515-2	-		Х	-	Х	Х	Х
Isopropyl alcohol	Х	Х	-	200-661-7	-		Х	Х	Х	Х	Х
Hydrochloric acid	Х	Х	-	231-595-7	-		Х	Х	Х	Х	Х
C.I. Basic red 9	Х	Х	-	209-321-2	-		Х	-	-	Х	-
monohydrochloride											

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b)

Not applicable

#### **SARA 313**

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
Phenol	108-95-2	3	1.0
Methyl alcohol	67-56-1	1	1.0
Isopropyl alcohol	67-63-0	1.67	1.0
Hydrochloric acid	7647-01-0	1	1.0

#### SARA 311/312 Hazard Categories See section 2 for more information

#### **CWA (Clean Water Act)**

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Phenol	X	1000 lb	Х	Х
Hydrochloric acid	Х	5000 lb	-	-

## **Clean Air Act**

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Phenol	X		-
Methyl alcohol	Х		-
Hydrochloric acid	X		-

**OSHA** Occupational Safety and Health Administration OSHA - United States Occupational Safety and Health Administration

Г Component Т Specifically Regulated Chemicals

	Component	Specifically Regulated Chemicals	Highly Hazardous Chemicals			
	Hydrochloric acid	-	TQ: 5000 lb			
CERCLA	substance	This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liabil Act (CERCLA) (40 CFR 302)				

Component	Hazardous Substances RQs	CERCLA EHS RQs
Phenol	1000 lb	1000 lb
Methyl alcohol	5000 lb	-
Hydrochloric acid	5000 lb	5000 lb

**California Proposition 65** This product contains the following proposition 65 chemicals

Component	CAS-No	California Prop. 65	Prop 65 NSRL	Category
Ethyl alcohol	64-17-5	Development (alcoholic	-	Developmental
,		beverages only)		Carcinogen
Methyl alcohol	67-56-1	Developmental	-	Developmental
C.I. Basic red 9	569-61-9	Carcinogen	3 µg/day	Carcinogen
monohydrochloride				

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Phenol	Х	Х	Х	Х	Х
Ethyl alcohol	Х	Х	Х	Х	Х
Methyl alcohol	Х	Х	Х	Х	Х
Isopropyl alcohol	Х	Х	Х	-	Х
Hydrochloric acid	Х	Х	Х	Х	Х
C.I. Basic red 9	Х	Х	-	Х	-
monohydrochloride					

## **U.S.** Department of Transportation

Reportable Quantity (RQ):	Ν
DOT Marine Pollutant	Ν

DOT Severe Marine Pollutant N

#### U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Component	DHS Chemical Facility Anti-Terrorism Standard	
Hydrochloric acid	0 lb STQ (anhydrous); 11250 lb STQ (37% concentration or	
	areater)	

## Other International Regulations

Mexico - Grade	
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No information available

	16. Other information
Prepared By	Regulatory Affairs
	Thermo Fisher Scientific
	Email: EMSDS.RA@thermofisher.com
Revision Date	27-Jun-2018
Print Date	27-Jun-2018
Revision Summary	This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# End of SDS