

Material Safety Data Sheet

Section 1 –Product and Company Identification

MSDS Name	MAS[®] UA Control – Liquid Assayed Urinalysis Control
Catalog Number	UAB-115, UAB-160, UAB-215, UAB-260, UAB-MP, UAB-S15
Description	Liquid Assayed Urinalysis Control
Synonyms	UAB-115 MAS [®] UA Liquid Urinalysis Control Level 1 (6 x 15mL) UAB-160 MAS [®] UA Liquid Urinalysis Control Level 1 (4 x 60mL) UAB-215 MAS [®] UA Liquid Urinalysis Control Level 2 (6 x 15mL) UAB-260 MAS [®] UA Liquid Urinalysis Control Level 2 (4 x 60mL) UAB-MP MAS [®] UA Liquid Urinalysis Control multipack (6 x 15mL) UAB-S15 MAS [®] UA Liquid Urinalysis Control sample pack (2x15 mL)
Company Identification	Microgenics Corporation
Office Address	46360 Fremont Blvd.
City, State, Zip Code	Fremont, CA 94538
Company Phone Number	(510) 979-5000
Emergency Phone Number	(510) 979-5000
CHEMTREC Phone Number, US	(800) 424-9300
CHEMTREC Phone Number, Europe	(202) 483-7616

Section 2 –Hazard Identification

Caution! This material contains substance of human origin. Even though tests are negative for infectious diseases, this product should be handled as a potentially infectious biological material. By normal use the product is not regarded as hazardous to health. The product is not classified as flammable or harmful to the environment; may cause eyes, skin, digestive track, and respiratory track irritation. The toxicological properties of this material have not been fully investigated. This product is not classified as dangerous in accordance with Directive 1999/45/EC or 67/548/EEC

Section 3 – Composition/Information on Ingredients

CAS #	Component Name	Content	EINECS/ELINCS
7632-00-0	Sodium nitrite	0.003– 0.006%	231-555-9
7732-18-5	Water	24.9 – 34.9%	231-791-2
N/A	Human urine	65– 75%	N/A

Component comments have no OSHA, Canadian, or EU hazardous ingredients above applicable threshold. The product contains protein materials, salts and stabilizer

Section 4 – First Aid Measures

Eyes	In case of contact immediately remove any contact lenses, hold the eyelids apart and flush eyes with plenty of water for at least 15 minutes. Consult physician if symptoms should occur
Skin	In case of contact remove contaminated clothing immediately, wash area with soap and flush with plenty of water. Get medical attention if irritation develops and persists
Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Drink plenty of water. Get medical attention
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult physician
Notes to Physician	Treat symptomatically

Section 5 – Fire Fighting Measures

Personal protective equipment	Combustion products may be health hazardous. In case of evacuation use OSHA/NIOSH (or equivalent) approved protection mask. See section 8
Flammable properties	Liquid product is not combustible; solid product may burn
Extinguishing Media	All common fire extinguishing agents may be used

Section 5 – Fire Fighting Measures- continued

Protection of Firefighters Minimum protection for all firefighters should include a self-containing breathing apparatus (SCBA) an full fire-fighting turn out gear. Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons

NFPA Rating (estimated) Health: 1; Flammability: 0; Instability: 0
 HMIS Rating (estimated) Health: 1; Flammability: 0; Instability: 0

Section 6 – Accidental Release Measures

Personal precautions Use proper personal protective equipment as indicated in Section 8. Keep unnecessary personnel away

Environmental precautions Product is not water pollutant. Keep out of drains, sewers, ditches and open waterways.

Methods for containment If without risk prevent further spread of spilled material or leaking containers. Where possible dike the spilled material. Absorb spill with inert material e.g. vermiculite, sand or diatomaceous earth

Methods for clean-up Clean up spills immediately, observing precautions in the Exposure Controls/Personal Protection, Section 8. Place in suitable container and provide ventilation. Wash area with a 5% chlorine bleach solution or equivalent, then rinse with water

Other information For reporting requirements refer to Section 15

Section 7 – Handling and Storage

Handling Keep container tightly closed. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation. Material produced in compliance to USDA and/or CPMP/BWP/1230/98 (or amendment as applicable) (Guidance on Minimizing the Risk of Transmitting Animal Spongiform Encephalopathy Agents via Medicinal Products). This is a CPMP/BWP/1230/98 Category IV material: It does not contain, nor is it derived from Specified Risk Materials as defined in Commission decision 97/534/EC (or successive amendments). This material is prepared from a human source base. Donors have been tested by FDA approved methods and found negative for antibodies to HIV-1 and HIV-2, non-reactive for HBsAg, and non-reactive for HCV. Handle as potentially infectious material. This material should be handled at the biosafety level 2 (BSL2) as required by OSHA Bloodborne Pathogen Rule (29 CFR 1910.1030.7) and consistent with the U.S. Department of Health and Human Services, the U.S. Public Health Service, Centers for Disease Control (CDC), and National Institute of Health (NIH) guidelines "Biosafety in Microbiological and Biomedical Laboratories" (May 1988, HHS Publication No. (NIH) 88-8395)

Storage Store in a tightly closed container. For shelf life, store between 2° to 8°C

Section 8 – Exposure Controls/ Personal Protection

Chemical Name – Sodium Nitrite

OSHA PEL					ACGIH TLV			AIHA		NIOSH REL			
Ceiling	TWA	STEL	Final	Vacated	Ceiling	TWA	STEL	WEEL	OEL	Ceiling	TWA	STEL	IDLH
Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

Chemical Name - Water

OSHA PEL					ACGIH TLV			AIHA		NIOSH REL			
Ceiling	TWA	STEL	Final	Vacated	Ceiling	TWA	STEL	WEEL	OEL	Ceiling	TWA	STEL	IDLH
Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

Chemical Name – Human urine

OSHA PEL					ACGIH TLV			AIHA		NIOSH REL			
Ceiling	TWA	STEL	Final	Vacated	Ceiling	TWA	STEL	WEEL	OEL	Ceiling	TWA	STEL	IDLH
Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Engineering Controls Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations below the permissible exposure limits. Ventilation fans and other electrical service must be non-sparking and have an explosion-proof design

Section 8 – Exposure Controls/ Personal Protection- continued

Personal Protective Equipment

Eye/Face protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166
Skin protection	Wear appropriate protective gloves to prevent skin exposure. No skin irritation expected
Respiratory protection	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use
General Hygiene Considerations	Wear appropriate protective clothing to prevent skin exposure

Section 9 – Physical and Chemical Properties

Appearance	Clear	Flash point	No information
Odor and odor threshold	No information	Flammable properties	No information
Physical State	Liquid	Solubility in water	Miscible
PH	5-8	Density/specific Gravity	No information
Vapor density	No information	Evaporation rate	No information
Boiling point	No information	Octanol/Water partition coefficient (K _{ow})	No information
Vapor pressure	No information	Auto-ignition temperature	No information
Melting Point/Freezing Point	No information	Decomposition Temperature	No information

Section 10 – Stability and Reactivity

Chemical Stability	Stable at room temperature in closed containers under normal storage and handling conditions
Conditions to Avoid	Excess heat
Incompatible Materials	None reported
Hazardous Decomposition Products	None
Possibility of hazardous reactions	Has not been reported

Section 11 – Toxicological Information

Acute dose effect (LD50/LC50)	
CAS# 7632-00-0	Oral, rat: LD50= 157.9 mg/kg Oral, rabbit: LD50= 186 mg/kg Inhalation, rat: LC50- 4 h - 5.5 mg/m3 Intravenous, rat: LD50 - 65 mg/kg Oral, Rat: LD50= 85 mg/kg Subcutaneous, mouse: LDLo=150 mg/kg
	Oral, mouse: LD50 = 175 mg/kg Oral, Chicken: LD50= 28.944 mg/kg Subcutaneous, rat: LD50= 96.6 mg/kg Intraperitoneal, mouse: LD50= 158 mg/kg Subcutaneous, rabbit: LDLo=60 mg/kg Intravenous, rabbit: LDLo=80 mg/kg
CAS# 7732-18-5	Oral, rat: LD50 =998.21 mg/cm ³ @20°C
Repeated dose effect (NOAEL, LOEL)	
CAS# 7632-00-0	Oral, rat: TDLo=180 mg/kg/8D (intermittent) Inhalation, rat: TCLo=300 ug/m3/4H/30D (intermittent) Intraperitoneal, rat: TDLo=960 mg/kg/30D (intermittent) Oral, mouse: TDLo=700 mg/kg/1W (continuous) Subcutaneous, pig: TDLo=1890 mg/kg/90D
Irritation	prolonged exposure may cause irritation
Corrosivity	No information found
Sensitization (inhalation, dermal, ocular)	prolonged exposure may cause dermal irritation
CAS# 7632-00-0	Eyes - rabbit - Mild eye irritation - 24 h
Genotoxicity	Genotoxic properties are not known
CAS# 7632-00-0	Oncorhynchus mykiss (rainbow trout): LC50 = 0.092 mg/l - 96 h mortality Oncorhynchus mykiss (rainbow trout): NOEC = 0.54 mg/l - 96 h Daphnia magna (Water flea): EC = 5012.5 mg/l - 48 h
Teratogenicity	Teratogenic properties are not known
Reproductive system effect	
CAS# 7632-00-0	Oral, rat: TDLo=660 mg/kg female 1-22 day(s) after conception Intraperitoneal, rat: TDLo=400 mg/kg female 10-19 day(s) after conception Oral, mouse: TDLo=280 mg/kg female 1-14 day(s) after conception Subcutaneous, pig: TDLo=1890 mg/kg female 15-105 day(s) after conception

Section 11 – Toxicological Information - continued

Carcinogenicity (IARC, NTP, OSHA (NIOSH & ACGIH)) or CA Prop 65
 None of the components present in this material at concentrations equal to or greater than 0.1% are listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65
 IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
 ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH
 NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
 OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA
 CAS# 7632-00-0 Not listed as a carcinogen by ACGIH, NIOSH, NTP, OSHA, or CA Prop 65, IARC: 2A - Group 2A: Probably carcinogenic to humans (Sodium nitrite),
 CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65
 Neurotoxicity Neurotoxic properties are not known
 Mutagenicity mutagenic properties are not known
 CAS# 7632-00-0 Salmonella typhimurium, Mutation in microorganisms=250 ug/plate
 Escherichia coli, Mutation in microorganisms=50 mmol/L
 Escherichia coli, DNA repair=625 ug/well
 Target organ effect Ingestion of significant amount may cause nausea and vomiting
 Epidemiology *No information found*
 NOES Hazard Codes (NOHS, NOES) RTECS
 CAS# 7632-00-0 69230 RA1225000
 CAS# 7732-18-5 M1000 ZC0110000

Section 12– Ecological Information

Ecotoxicity Not regarded as dangerous for the environment LC/EC/IC50 > 100 mg/l
 Persistence/Degradability *No information found*
 Bioaccumulation/Accumulation *No information found*
 Mobility in Environmental media Soluble in water
 Environmental Not classified as harmful to the environment
 Other Adverse Effects *No information found*

Section 13 – Disposal Considerations

Waste from Residue/Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. Consult US EPA guidelines for the classification and determination (RCRA 40CFR Parts 261). Chemical waste generators must determine whether discarded chemical is classified as hazardous waste. Ensure complete and accurate classification
 Contaminated packaging Clean container with water
 RCRA P Series Wastes None of the components are on this list
 RCRA U Series Wastes None of the components are on this list
 EWC waste code 18 01 05 discard as chemicals and medicines
 Other Information According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the a application for which the product was used

Section 14 – Transport Information

Not regulated as hazardous material under US DOT, TDG, UNECE, ADR, ADN, IATA, ICAO, RID, IMDG/IMO, OTIF, Mexico

Section 15 – Regulatory Information

US Federal

CAA -HAPs, CAA - Class 1, Class 2 Ozone Depletors, OSHA, OSHA - Highly Hazardous, SDWA, USDA, 21 CFR-IVD – *No information found*

Section 15 – Regulatory Information - continued

CAS# 7632-00-0

TSCA 8(b)	SARA 302	SARA 313	CERCLA	TSCA 8(d)	TSCA 12(b)	FIFRA	CAA-SNAP	DEA
yes	no	1.0 % de minimis concentration	100 lb final RQ; 45.4 kg final RQ	no	no	List 3 - Unknown Toxicity	no	no
CWA	RCRA 261.33	Coast Guard	EPA	CWC	SARA 311/312	EPICRA	FDA	
100 lb RQ	no	Group No. 5 (solution)	Indicators 2,4; ICCA Confirmed Commitment	no	yes	no	yes	

CAS#7732-18-5

TSCA 8(b)	SARA 302	SARA 313	CERCLA	RCRA 261.33	TSCA 8(d)	TSCA 12(b)	FIFRA	CWC	SARA 311/312	EPICRA	CAA-SNAP	FDA
yes	no	no	no	no	no	no	yes	no	no	no	yes	no

US State

State Right to Know

CAS# 7632-00-0 can be found on the following state Right-to-Know lists – California, Delaware, Louisiana, Massachusetts, Michigan, New Jersey, Pennsylvania, Texas

California

Prop 65, Title 8 CCR, Title 22 CCR, ATHS, Occupational Exposure Limits, Ozone Depleting Compounds, Precursor Chemicals, SCAQMD, California -No Significant Risk Level - **No information found**

None of the chemicals are on Prop 65 lists

California Prop 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other Reproductive defects

Africa/ Asia-Pacific/Europe Non-EU /EU Member Countries/Latin America and Caribbean/ Middle East/Government Inventory Lists

CAS# 7632-00-0

AICS	New Zealand-GHS	Russia	ENCS	Switzerland	Belgium	PICCS	Malaysia	Singapore	EINECS	Luxembourg
yes	0.2 % MAC HSNO Approval: HSR001286	0.1 mg/m3 MAC	(1)-483	no	no	yes	5.0 %	<5%,	231-555-9	no
India	Africa	Australia	Czech Republic	Indonesia	Japan	China	Taiwan	Thailand	Austria	Italy
no	0.2 % MAC (Rust inhibitor)	>=1%C<5% : Xn ; R22; C>=5% : T ; R25	no	no	YES	UN1500 0.2 % MAC	yes	no	no	no
Malta	Netherlands	UK	Philippines	KE CL	Bermuda	Latvia	Estonia	Lithuania	Hungary	EC
0.2 % MAC	no	1Z	no	KE-31546	no	no	yes	0.1 mg/m3 NRV	no	no
Chile	ASEAN	Hong Kong	Korea	Denmark	Gibraltar	France	Check	Germany VwVws		
yes	0.2 % MAC	R-8, R-25 S-16/17, S-38	>=1.0 % (by weight)	yes	E250	no	no	Number 161, hazard class 2 - hazard to waters		

CAS#7732-18-5

AICS	New Zealand	China	ENCS	Korea	PICCS	Malaysia	Denmark	EC	EINECS
yes	yes	yes	yes	yes	yes	yes	yes	yes	231-791-2

Section 15 – Regulatory Information - continued

Advisory Agencies

CAS# 7632-00-0

OECD	OSPAR	Australia Group	ICCA	IPCS	CICAD	WHO	GASL	UNEP	WGK
April 2007	yes	yes	yes	yes	no	yes	0.1 % Threshold Limit	no	no
NIOSH	NTP								
Group III pesticide	yes								

CAS# 7732-18-5

OECD	OSPAR	Australia Group	ICCA	IPCS	CICAD	WHO	UNEP	WGK
yes	no	no	no	no	no	yes	no	no

Exposure Limits – none listed

European Union Directives

Seveso II Directive (96/82/EC), 67/548/EEC, 2006/15/EC, 98/24/EC, 304/2003, 76/769/EEC, 273/2004, 1277/2005, 2037/2000/EC, Directive 96/59/EC, Directive 79/117/EEC and Directive 91/414/EEC, 2000/479/EC (EPER) , 2002/95/EC (RoHS), 2002/96/EC - WEEE, 2006/11/EC, Directive 98/83/EC - **No information found**

CAS# 7632-00-0

793/93/EEC	1907/2006 – REACH	HPV-LPV Chemicals	1272/2008) - Annex VI - Table 3.1 -	(76/768/EEC) - Annex III Part 1 - Maximum	Ecolabel (1980/2000) - Detergent
REPEALED)	November 30, 2010	High Production Volume Chemical	T; R:25: 5%<=C Xn; R:22: 1%<=C<5%	0.2 % MAC	10000 toxicity safety factor
Additives (1333/2008/EC) - Annex III -	Additives (2008/84/EC) - Specific Purity	Plastic Materials in Contact with Food (2002/72/EC)	Biocides (1451/2007) - Existing Active Substances	Detergents Regulation (648/2004)	
E 250	E 250	0.6 mg/kg SML	yes	0.2% by weight	

CAS#7732-18-5

793/93/EEC	1907/2006 – REACH
yes	yes

1999/45/EC - European Labeling in Accordance with EC Directives,
Hazard Symbols: Not available
Risk Phrases: Not available
Safety Phrases: S 24/25 Avoid contact with skin and eyes

United Nations List

CAS# 50-06-6 INCB - Schedule IV Substances
UN, UN/FAO, UNEP - **No information found**

Canada Federal/Provincial Government

CAS# 7632-00-0 on the list of Health Canada, Saskatchewan - Dangerous Goods

CEPA	NPRI	DSL	NDSL	DWQ	Council of Ministers of the Environment	Controlled Drugs and Substances	WHMIS
yes	no	yes	no	no	no	no	1 %

CAS#7732-18-5

CEPA	NPRI	DSL	NDSL	DWQ	Council of Ministers of the Environment	Controlled Drugs and Substances	WHMIS
no	no	yes	no	no	no	no	no

Section 15 – Regulatory Information - continued

WHMIS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

Other

This MSDS has been prepared in accordance with the ANSI Z400.1 format. Every effort has been made to adhere to the hazard criteria and content requirements of the US OSHA Hazard Communication Standard, European Communities Safety Data Sheets Directive, Canadian Controlled Products Regulations, UK Chemical Hazard Information and Packaging Regulations, and UN Globally Harmonized System of Classification and Labeling of Chemicals

Section 16 – Other Information

Color information has been updated

Revision: 2

Date prepared: 12/21/09

Acronym keys

1277/2005 – Narcotics

1907/2006 – REACH - Registration, Evaluation and Authorization of Chemicals

2000/479/EC (EPER) -European Pollutant Emission Register

2002/95/EC (RoHS) - Hazardous Substances Restricted or Prohibited in Electrical Equipment

2002/96/EC (WEEE) - Waste Electrical and Electronic Equipment

2006/11/EC - Water Pollution Directive

2006/15/EC, 98/24/EC - Occupational Exposure Directives

2037/2000/EC - Ozone Depleting Substances Regulation

21 CFR-IVD –Code of Federal Regulations, In-vitro Diagnostics

273/2004 - Export Requirements and Drug Precursors

304/2003 - Export and Import Restrictions

67/548/EEC Dangerous Substances Directive

76/769/EEC - Marketing Restrictions Directive

793/93/EEC - Existing Substance Regulation

ACGIH – American Conference of Governmental Industrial Hygienists

ADN - European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways

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

AICS (Australia Inventory of Chemical Substances)

AIHA – American Industrial Hygiene Association

ATHS - Air Toxics Hot Spots Act

Australia Group – Export Control List - European Commission for Chemical Weapons Precursors

CAA - Clean Air Act of 1990

CCR - California Code of Regulations

CEPA - Canadian Environmental Protection Act, 1999,

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CICADs - International Chemical Safety Documents

CWA - Clean Water Act

CWC - Chemical Weapons Convention

DEA - Drug Enforcement Administration

Department of Homeland Security - Chemical Facility Anti-Terrorism Standards

Directive 79/117/EEC and Directive 91/414/EEC - Plant Protection Products

Directive 96/59/EC - Disposal of Polychlorinated Biphenyls and Polychlorinated Terphenyls

Directive 98/83/EC - Water Quality - Water Intended for

Human Consumption

DSL - Domestic Substances List

DWQ - Drinking Water Quality

EAR – Export Administration Regulations

ENCS - Japan Existing and New Chemical Substances

EPICRA - Emergency Planning and Community Right-to-Know Act

FDA – Food and Drug Administration

FIFRA - Federal Insecticide, Fungicide and Rodenticide Act

HAPs - Hazardous Air Pollutants (**CAA**)

IARC - International Agency for Research on Cancer

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

ICCA - International Council of Chemical Associations

IMDG - International Maritime Dangerous Goods Code

IMO- International Maritime Organization

INCB - International Narcotics Control Board

IPCS - International Program on Chemical Safety

ITAR - International Traffic in Arms Regulations

KECL - Korea - Existing and Evaluated Chemical Substances

NDSL - Non-Domestic Substances List

NIOSH – national institute for occupational safety and health

NPRI - National Pollutant Release Inventory

NTP – National Toxicology Program

OECD - The Organisation for Economic Co-Operation and Development

OEL – Occupational Exposure Level

OSHA – occupational safety and health

OSPAR – Oslo/Paris Convention of September 22, 1992 - List of Chemicals for Priority Action

OTIF- Intergovernmental Organization for International Carriage by Rail

PICCS (Philippines Inventory of Chemicals and Chemical Substances)

POP - Persistent Organic Pollutants

RCRA - Resource Conservation & Recovery Act

REL – recommended exposure limits

RID - The Intergovernmental Organization for International Carriage by Rail

SARA - Superfund Amendments and Reauthorization Act of 1986

SCAQMD – Toxic Air Contaminants List

Schedule I, IV - Controlled Substances

SDWA (Safe Drinking Water Act)
Seveso II Directive (96/82/EC) - Qualifying Quantities for Safety Report Requirements
SNUR – Significant New Use Rule (TSCA)
State Department (Munitions List Category XIV - Toxicological, Biological, Chemical Agents)
STEL – short term exposure limit
TDG - Transport Canada
Transportation of Dangerous Goods Act, 2001
Title 22 - Health and Safety Code, Hazardous Waste Codes
Title 8 - Industrial Relations, Director's List of Hazardous Substances
TLV – threshold Limit Values

TSCA – Toxic Substance Control Act
TWA – Time Weighted Average
UN - Convention on Marking Plastic Explosives
UN/FAO - Chemicals Subject to Prior Informed Consent (PIC)
UNECE - United Nations Economic Commission for Europe
UNEP United Nations Environment Program
US DOT – United States Department of Transportation
USDA – United States Department of Agriculture
WEEL – Workplace Environmental Exposure Level
WGK - Wassergefährdungsklasse or WHC - Water Hazard Class
WHMIS - Classifications of Substances
WHO - World Health Organization

This MSDS is intended for review and guidance in the receipt, storage, handling, use and disposal of product purchased from Thermo Fisher Scientific, and for no other purpose. Use this product only as directed and in accordance with applicable instructions and warnings provided with the product. Please consult your institution's policies regarding use of this product. If you have obtained this MSDS other than in connection with the supply of this product from Thermo Fisher Scientific, this MSDS should be consulted for general information only, and should not be relied upon for any purpose. As with the use of all hazardous materials, you should in all instances follow the guidance of the MSDS provided or available with the specific product purchased.

End of MSDS