

SAFETY DATA SHEET

EPA REG NO. 91658-1

JS 685 **Revision Date** 2/19/2016

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION SECTION - 1

Product Name JS 685 Item

Product Use Insecticide that Protects Electrical Equipment from Fire Ants

Office **Company Name** Anton International, Inc. (855) 909-8585

> P.O. Box 19041 Fax

www.js685.com Atlanta GA 31126 Web

EMERGENCY TELEPHONE NUMBER INFOTRAC (800) 535-5053

SECTION - 2 HAZARDS INFORMATION

Pictogram











Signal Word Danger

Hazards	Health, Physical and Environmental Hazard Statements	<u>Hazard</u>	Classification	<u>Code</u>
	Extremely flammable aerosol	Category 1	Flammable Aerosols	H222
	Harmful if swallowed	Category 4	Acute Toxicity (Oral)	H302
	May be fatal if swallowed and enters airways	Category 1	Aspiration Toxicity	H304
	Harmful in contact with skin	Category 4	Acute Toxicity (Dermal)	H312
	Causes skin irritation	Category 2	Skin	H315
	Causes serious eye damage	Category 1	Eyes	H318
	May cause respiratory irritation	Category 3	STOT Single Exposure	H335
	May cause drowsiness or dizziness	Category 3	STOT Single Exposure	H336
	Very toxic to aquatic life	Category 1	Acute Toxicity	H400
	Toxic to aquatic life	Category 2	Acute Toxicity	H401

Handling, Storage and Disposal **Precautions**

Handling, Storage and Disposal	<u>Code</u>
If medical advice is needed, have product container or label at hand	P101
Keep out of reach of children	P102
Read label before use	P103
Keep away from heat/sparks/open flames/hot surfaces – No smoking	P210
Do not spray on an open flame or other ignition source	P211
Pressurized container: Do not pierce or burn, even after use	P251
Avoid breathing dust/fume/gas/mist/vapours/spray	P261
Do not get in eyes, on skin, or on clothing	P262
Wash thoroughly after handling	P264
Do not eat, drink or smoke when using this product	P270
Avoid release to the environment	P273
Wear protective gloves/protective clothing/eye protection/face protection	P280
Explosion risk in case of fire	P372
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F	P410+P412

SECTION – 3 COMPOS	SITION INFORMATION	(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)					
CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS#	<u>IMPURITIES</u>	PERCENT			
Pyrethrins		8003-34-7		0.1%			
Piperonyl Butoxide, Technica	2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether	51-03-6		1.0%			
Isopropyl Alcohol	Isopropanol, 2-propanol	67-63-0	Water <1%	1 - 5%			
Cyclohexane		110-82-7		50 - 70%			
Propane	"Propellant"	74-98-6		10 - 25%			
Isobutane	"Propellant"	75-28-5		10 - 25%			
Isoparaffinic Hydrocarbon	Distillates (Petroleum), Hydrotreared Light	64742-47-8		1 - 5%			

*Equivalent to 0.8% (butylcarbityl) (6-propylpiperonyl) ether and 0.2% related compounds. SECTION - 4 **FIRST AID MEASURES**

EYE CONTACT Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the

first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice

SKIN CONTACT Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control

center or doctor for treatment advice

Page 2 of 7 JS 685 Revision Date 2/19/2016

INHALATION Move person to fresh air. If person is not breathing, call 911 or anambulance then give artificial respiration, preferably

by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice

INGESTION Immediately call poison control center or doctor. Do not induce vomiting unless told to do so by the poison control

center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person

Aspiration Hazard Aspiration into the lungs can cause severe lung damage and is a medical emergency, Never give anything by mouth to an unconscious person. Call a physician or hospital emergency room immediately, If victim is drowsy or unconscious

and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe

closely for adequacy of breathing

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause serious eye irritation, discomfort, redness, tearing, pain, or possible eye damage

Skin Can cause skin irritation, redness, burning, drying or cracking, May be harmful if absorbed through skin

Inhalation May be harmful if inhaled, Mist, vapor or fumes may cause, irritation to upper respiratory tract, nausea, headache,

dizziness, drowsiness

Ingestion Harmful if swallowed, May affect target organs, May cause lung damage if swallowed and enters airways

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye damage, redness, tearing, pain, or corneal injury

Skin Causes skin irritation, defatting of the skin which may lead to dermatitis, Harmful if absorbed through skin

Inhalation May be harmful if inhaled, Mist, vapor or fumes may cause, irritation to respiratory tract, nausea, headache, dizziness,

drowsiness, central nervous system depression

Ingestion Harmful if swallowed, May be fatal if swallowed and enters airways, May affect target organs, liver, kidneys, central

nervous system

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media SUITABLE: Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials

UNSUITABLE: Avoid using a water stream. Product will float upon water and could spread any fire

Hazardous Decomposition Burning or thermal decomposition can produce, aldehydes, carbon monoxide, carbon dioxide, silicon oxides,

and other toxic fumes

Reactive With Reactive with, strong oxidizing agents, strong bases, strong acids, ammonia, aldehydes, hydrogen fluoride,

oxygen difluoride, chlorine trifluoride

Explosion Hazards May explode if ignited in an enclosed area. Flashback along vapor trail may occur, Exposure to temperatures

above 130°F may cause bursting, incineration of container may cause explosion

Static Discharge Expected to ignite product

Mechanical Impact Contents under pressure. Do not puncture or impact container

Protective Equipment Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures Warn personnel to move away and stay upwind from spill

Personal Precautions Eliminate ignition sources and ventilate area

Protective Equipment Safety Glasses, Chemical Gloves and Rubber Boots

Containment Use sand or inert non-combustible absorbent pads to prevent spill from spreading

Clean Up Procedures

Use sand or inert non-combustible absorbent pads or material and place in a chemical waste disposal container

Disposal Dispose of material in accordance with all State and Federal Guidelines and Regulations. Do not puncture or

Dispose of material in accordance with all State and Federal Guidelines and Regulations, Do not puncture or incinerate! IF EMPTY: Place in trash or offer recycling if available. IF PARTLY FILLED: Call your local solid

waste agency or 1-800-CLEANUP for disposal instructions.

SECTION – 7 HANDLING AND STORAGE

Handling Keep away from incompatible materials, heat, sparks, electrical equipment, fire and all ignition sources, Use

appropriate safety equipment, and adequate ventilation, Avoid eye and skin contact, Harmful if absorbed through skin, Avoid inhalation of mist, vapors or fumes, May cause drowsiness or dizziness, Harmful if swallowed, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the

environment

Storage KEEP OUT OF REACH OF CHILDREN, DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE

OR DISPOSAL, Store in a well-ventilated area and away from incompatible materials, Store away from heat, sparks, open flames or hot surfaces, Vapors may spread long distances and ignite explosively, Store below 49°C (120°F) and in accordance with Class 1A Flammable Liquids (GHS Category 1), Avoid storing in direct

sunlight

Incompatible Materials Incompatible with, strong oxidizing agents, strong bases, strong acids, ammonia, aldehydes, hydrogen fluoride,

oxygen difluoride, chlorine trifluoride

SECTION - 8 **EXPOSURE CONTROLS / PERSONAL PROTECTION EXPOSURE LIMITS** Significant **CHEMICAL NAME** ACGIH (TWA 8) ACGIH (STEL) **OSHA PEL (TWA 8) OSHA (CEIL) Exposure** 100 ppm 300 ppm (1050 mg/m³) ΕI Cyclohexane **Pyrethrins** 5 mg/m³ 5 mg/m³ RT, LD Isopropyl Alcohol 200 ppm (A4) 400 ppm 400 ppm 500 ppm (1225 mg/m³) CNS Propane 1000 ppm 1000 ppm (1800 mg/m³) Isoparaffinic Hydrocarbon 152 ppm (1200 mg/m³) Piperonyl Butoxide, Technical None Established 800 ppm (1900 mg/m³) Isobutane 1,000 ppm

PERSONAL PROTECTIVE EQUIPMENT





Chemical Safety Glasses, Goggles or Face Shield

Impervious Chemical Gloves



*

Ventilation

If exposure limits listed above are exceeded, or irritation is experienced, use a MSHA / NIOSH approved respirator

HMIS HAZARD RATINGS
Health 2
Flammability 3
Reactivity 0
Personal Protection B

SECTION - 9 PH	HYSICAL AND CHEMICAL PROPERTIES		
Flash Point	-17.9°C (-0.38°F) - closed cup	Specific Gravity / Density	0.992
Flammable Limits	ND	pH (± 0.3)	ND
Auto-Ignition Temp.	ND	Viscosity	ND
Physical State	Aerosol	Freeze Point	ND
Appearance	White powder	Boiling Point	ND
Odor	Cyclohexane solvent odor	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mm Hg)	ND
Solubility	< 1%	Evaporation Rate (nBuAc=1)	ND
Volatiles	94.0%	Partition Coefficient	ND
VOC	89.05%	Molecular Weight (g/mol)	~ 81.61
LVP-VOC	4.90%	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data) None available

Chemical Stability Stable when stored below 49°C (120°F)

Hazardous Polymerization Will not occur

Conditions To Avoid Heat sources, sparks, flame or static discharge and incompatible materials

Incompatible Materials Incompatible with, strong oxidizing agents, strong bases, strong acids, ammonia, aldehydes, hydrogen fluoride,

oxygen difluoride, chlorine trifluoride

Thermal Decomposition Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, silicon oxides, and other

toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE

Eyes (Yes), Skin (Yes), Ingestion (Yes "Aspiration Hazard"), Inhalation (Yes "Mist or Vapors")

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause serious eye irritation, discomfort, redness, tearing, pain, or possible eye damage

Skin Can cause skin irritation, redness, burning, drying or cracking, May be harmful if absorbed through skin

Inhalation May be harmful if inhaled, Mist, vapor or fumes may cause, irritation to upper respiratory tract, nausea, headache,

dizziness, drowsiness

Ingestion Harmful if swallowed, May affect target organs, May cause lung damage if swallowed and enters airways

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye damage, redness, tearing, pain, or corneal injury

Skin Causes skin irritation, defatting of the skin which may lead to dermatitis, Harmful if absorbed through skin

Inhalation May be harmful if inhaled, Mist, vapor or fumes may cause, irritation to respiratory tract, nausea, headache, dizziness,

drowsiness, central nervous system depression

Ingestion Harmful if swallowed, May be fatal if swallowed and enters airways, May affect target organs, liver, kidneys, central

nervous system

Acute Tox Calculated Oral: ~ 2,000 mg/kg Dermal: ~ 2,000 mg/kg Inhaled: 70.6 mg/L

Acute Tox Category 4 (Oral >300, ≤2000 mg/kg), Category 4 (Dermal >1000, ≤2000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist

Additional Info

Target Organs Kidneys, Liver, Respiratory Tract, Eyes (Lens or cornea), Skin, Central Nervous System

Medical Conditions Preexisting, eye, skin, liver, kidney, central nervous system, respiratory, disorders may be aggravated by exposure to

this product

Notes to Physician Probable mucosal damage may contraindicate the use of gastric lavage, Contains petroleum distillate vomiting may

cause aspiration pneumonia

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME NTP ACGIH IARC GHS Category

None Listed NA NA NA NA

MUTAGENIC AND REPRODUCTIVE EFFECTS - This product contains concentrations above 0.1% of the following:

CHEMICAL NAME Germ Cell Mutagenicity Toxic to Reproduction

None Listed NA NA

COMPONENTS ACUTE TOXICITY

CHEMICAL NAME	<u>Type</u>	<u>Form</u>	<u>Subject</u>	Result Value	Exposure Time	GHS Category
Isopropyl Alcohol	LD50	Oral	Rat	Rat 5,045 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	12,870 mg/kg		(>2000 mg/kg)
	LC50	Inhalation	Rat	78.6 mg/L	4 Hours (Vapor)	(>20 mg/L)
Isoparaffinic Hydrocarbon	LD50	Oral	Rat	→ 15,000 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	> 3,160 mg/kg		(>2000 mg/kg)
Pyrethrum	LD50	Oral	Rat	200 mg/kg		3 (>50, ≤300 mg/kg)
	LC50	Inhaled	Rat	3.4 mg/L	4 Hours (Vapor)	3 (>2, ≤10 mg/L)
	LD50	Dermal	Rabbit	300 mg/kg		3 (>200, ≤1000 mg/kg)
Piperonyl Butoxide	LD50	Oral	Rat	5,630 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	> 2,000 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	> 5.9 mg/L	4 Hours (Mist)	(>5 mg/L)
Cyclohexane	LD50	Oral	Rat	12,705 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	> 2,000 mg/kg		
	LC50	Inhaled	Rat	34,000 mg/L	4 Hours (Vapor)	(>20 mg/L)
Isobutane	LC50	Inhaled	Rat	> 20 mg/L	4 Hours (Gas)	(>20 mg/L)
Propane	LC50	Inhaled	Rat	> 20 mg/L	4 Hours (Gas)	(>20 mg/L)

SECTION – 12 ECOLOGICAL	INFORMAT	ION							
CHEMICAL NAME	<u>Type</u>	<u>Subject</u>	Subject Latin	Result Value	Exposure Time	GHS Category			
Isopropyl Alcohol	LC50	Fish	(Leuciscus idus)	>100 mg/L	96 Hours	4 (>100 mg/L)			
	EC50	Water Flea	(Daphnia magna)	5,102 mg/L	24 Hours	4 (>100 mg/L)			
	LC50	Fathead Minnow	(Pimephales promelas)	9,640 mg/L	96 Hours	4 (>100 mg/L)			
Pyrethrum	LC50	Channel Catfish	(Ictalurus punctatus)	0.012 mg/L	96 Hours	1 (≤1 mg/L)			
	EC50	Water Flea	(Daphnia magna)	0.032 mg/L	48 Hours	1 (≤1 mg/L)			
Piperonyl Butoxide	LC50	Rainbow Trout	(Oncorhynchus mykiss)	6.12 mg/L	96 Hours	2 (>1, ≤10 mg/L)			
	EC50	Water Flea	(Daphnia magna)	0.05 mg/L	48 Hours	1 (≤1 mg/L)			
Cyclohexane	LC50	Fathead Minnow	(Pimephales promelas)	4.53 mg/L	96 Hours	2 (>1, ≤10 mg/L)			
	EC50	Water Flea	(Daphnia magna)	0.9 mg/L	48 Hours	1 (≤1 mg/L)			
Presistence And Degradability	And Degradability No specific biodegradation test data was located								
Bioaccumulative Potential									
Mobility In Soil Expected to have low mobility in soil									
Other Adverse Effects	Very tox	Very toxic to aquatic life with long lasting effects							

SECTION – 13 DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER Dispose of any waste in accordance with all State and Federal Guidelines and Regulations STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL

ENVIRONMENTAL FATE

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law.

If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL - Do not puncture or incinerate! IF EMPTY: Place in trash or offer recycling if available. IF PARTLY FILLED: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions

SECTION – 14 TRANSPORT INFORMATION

DOT CLASSIFICATION

UN Number Proper Shipping Name n.o.s. (Chemicals) or "Limits"

UN 1950 AEROSOLS, FLAMMABLE, n.o.s. (Pyrethrins, Cyclohexane)

Hazard ClassPacking GroupLabel CodesReportable Quantity (lbs)ResponseMarine PollutantHazard LabelSecondary2.1NoneFlammable GasPyrethrins (1 lb)126Yes

Additional Info:

1 age 0 of 7					JJ 00.						לווטופוע:	uic	2/13/2010
SECTION – 15 REGULATORY	INFORMATI	ON											
TSCA													
CHEMICAL NAME	Sec 8(b) Inventory Sec 8(d) Health		lealth A	and Safety	S	ec 4(a) Che	mical Test R	ules	Sec 12(b) Export	Notificatio		
Isopropyl Alcohol	Yes Yes												
Piperonyl Butoxide	`	⁄es											
Pyrethrum	`	Yes											
REPORTABLE QUANTITIES		Extremely	Hazardou	IS		Reportable C	uantity	Emissio	n Reporting				
CHEMICAL NAME	EPCRA T	PQ Sec 302	EPCRA	A RQ Sec	304	CERCLA RQ	Sec 103	TRIS	Sec 313	RCR	RA Code	RMP	TQ Sec 11
2-Propanol								١	⁄es				
Pyrethrum						1							
Piperonyl Butoxide								١	⁄es				
Cyclohexane						1000)	١	′es	U	J056		
SARA	S	ection 31	1				Secti	on 311 / 3	12 Hazard	ls			
CHEMICAL NAME	Hazar	dous Che	emical		Acute		hronic	FI	ammable	P	ressure		Reactive
Isoparaffinic Hydrocarbon									Yes				
Isobutane		Yes							Yes		Yes		
Propane		Yes							Yes		Yes		
Cyclohexane		Yes			Yes				Yes				
Isopropyl Alcohol		Yes			Yes		Yes		Yes				
Pyrethrum					Yes				Yes				
RIGHT TO KNOW						STATE							
CHEMICAL NAME	CA	СТ	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Isobutane						Yes		Yes			Yes		
Propane						Yes		Yes			Yes		
Cyclohexane						Yes		Yes			Yes		
Isopropyl Alcohol			Yes			Yes		Yes		Yes	Yes	Yes	
Piperonyl Butoxide						Yes		Yes					
Pyrethrum	Yes	Yes		Yes		Yes		Yes		Yes	Yes	Yes	
<u>CALIFORNIA</u>			WARN	NG! Th	is pro	duct contail	ns chen	nicals kno	wn to the	state o	f Califori	nia to ca	use:
CHEMICAL NAME	CAS#		Birth D	Defects		Reproduc	tive Ha	rm	Carcino	gen	[Develop	mental
None Listed													
CLEAN AIR WATER ACTS			Clear	Air Ac	ts				С	lean W	ater Acts	i	
CHEMICAL NAME	CAS#		HAP		Ozoi	ne Class 1	Ozo	ne Class	2 H	IS	PP		TP
None Listed													
INTERNATIONAL REGULATIONS -	- The comp	onents of	this prod	luct are	listed o	on the chemi	ical inve	ntories of	the following	ng count	tries:		
CHEMICAL NAME	Aust	ralia	C	anada	E	Europe (EIN	ECS)			Ko	Korea		UK
Isopropyl Alcohol	Y	es		Yes		Yes		Yes		Y	Yes		Yes
Pyrethrum	Y	es		Yes		Yes							

FIFRA Label Information

- This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law.
- These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

• The following is the hazard information as required on the pesticide label.

PRECAUTIONARY STATEMENTS, HAZARDS TO HUMANS AND DOMESTIC ANIMALS, DANGER, CORROSIVE, Causes eye damage, Harmful if swallowed or absorbed through the skin, Avoid breathing vapors or spray mist, Avoid contact with skin and eyes, Wear goggles or face shield, and rubber gloves when handling, PHYSICAL OR CHEMICAL HAZARDS, EXTREMELY FLAMMABLE!, Do not use or store near fire, sparks, or heated surfaces. Do not smoke in use area. Contents under pressure. Do not puncture or incinerate. Exposure to temperatures above 130°F may cause bursting. Incineration of container may cause explosion.

SECTION – 16 OTHER INFORMATION

LEGEND DESCRIPTION

<u>SDS</u>

ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NFPA	National Fire Protection Association
EPA	Environmental Protection Agency	NIOSH	National Institute for Occupational Safety and Health
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NE	Not Established
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous air pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety Glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	UEL	Upper Explosive Limit

Anton International, Inc.

and nCites LLC have compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.

Print Date 2/22/2016

Supersedes Safety Data Sheet Dated