



M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

PRODUCT NAME: DriTac 8100 Tongue & Groove Glue
PRODUCT CODE: .8100

HMIS CODES: H F R P
1 1 0 B

**=====
SECTION I - PRODUCT AND COMPANY
IDENTIFICATION=====**

CAS : mixture
Address : DriTac Flooring Products, LLC
60 Webro Road
Clifton, NJ 07012
Telephone : EMERGENCY 1-800-424-9300
Reference number : INFORMATION 1-800-394-9310

Date of revision : 9/14/2010.
Product use : Adhesive
Product type : Crosslinked polyvinyl acetate

**=====
SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION
=====**

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
- ALUMINUM CHLORIDE ANHYDROUS	7446-70-0		1 -5

No toxic chemical(s) subject for the reporting requirements of section 313 of Title 111 and of 40 CFR 372 are present. ***

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**=====
SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====**

BOILING RANGE: 210 DF **SPECIFIC GRAVITY (H2O=1): 1.09**
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE: SLOWER THAN N-**
BUTYL
ACETATE

COATING V.O.C.: 13.7 G/L **MATERIAL V.O.C.: 13.7 G/L**
SOLUBILITY IN WATER: DISPERSIBLE IN COLD AND HOT WATER
APPEARANCE AND ODOR: YELLOW LIQUID; CHARACTERISTIC ODOR

**=====
SECTION IV - FIRE AND EXPLOSION HAZARD DATA
=====**

FLASH POINT: >200⁰F (>93.333⁰C) [SETAFLASH.] **METHOD USED: CLOSED CUP**
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a **UPPER: n/a**

M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

Page: 1
9/16/2010

EXTINGUISHING MEDIA:

SUITABLE :USE AN EXTINGUISHING AGENT SUITABLE FOR THE SURROUNDING FIRE.
NOT SUITABLE : NONE KNOWN

SPECIAL EXPOSURE HAZARDS: PROMPTLY ISOLATE THE SCENTE BY REMOVING ALL PERSONS FROM THE VICINITY OF THE INCIDENT IF THEREIS A FIRE. NO ACTION SHALL BE TAKEN INVOLVING ANY PERSONAL RISK OR WITHOUT SUITABLE TRAINING.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: FIRE-FIGHTERS SHOULD WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH A FULL FACE-PIECE OPERATED IN A POSITIVE MODE.

UNUSUAL FIRE AND EXPLOSION HAZARDS

THERE ARE NO UNUSUAL FIRE OR EXPLOSION HAZARDS.

===== SECTION V - STABILITY AND REACTIVITY =====

CHEMICAL STABILITY: STABLE

CONDITIONS TO AVOID

NO SPECIFIC DATA.

INCOMPATIBILITY (MATERIALS TO AVOID)

REACTIVE OR INCOMPATIBLE WITH ACIDS AND ALKALIS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS DECOMPOSITION PRODUCTS SHOULD NOT BE PRODUCED.

HAZARDOUS POLYMERIZATION: UNDER NORMAL CONDITIONS OF STORAGE AND USE, WILL NOT OCCUR.

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

IF INHALED, OIL MIST OR VAPORS AT ELEVATED TEMPERATURES MAY CAUSE RESPIRATORY IRRITATION AND COUGHING. MODERATELY IRRITATING TO THE RESPIRATORY SYSTEM.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY CAUSE IRRITATION AND REDDENING. WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF SPLASHED IN THE EYE, FLUSH WITH COPIOUS QUANTITIES OF WATER AND SEEK MEDICAL ADVICE.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

IF ABSORBED THROUGH BROKEN SKIN SURFACES, MAY CAUSE IRRITATION, REDDENING, AND DERMATITIS. SEEK MEDICAL ADVICE.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NO KNOWN SIGNIFICANT EFFECTS OF CRITICAL HAZARDS. NO SPECIFIC DATA.
IF SWALLOWED, SEEK IMMEDIATE MEDICAL ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

THE THRESHOLD LIMIT VALUE FOR THIS PRODUCT HAS NOT BEEN ESTABLISHED. NO ACUTE OR CHRONIC

M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

Page: 1
9/16/2010

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED:

NO KNOWN SPECIFIC EFFECTS OR CRITICAL HAZARDS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

NOT KNOWN

===== **SECTION VII - FIRST AID PROCEDURES** =====

WASH THE SKIN WITH SOAP AND WATER. IF SPLASHED IN THE EYE, FLUSH WITH COPIOUS AMOUNTS OF WATER AND SEEK MEDICAL ADVICE IF IRRITATION PERSISTS. INHALATION: MOVE VICTIM TO FRESH AIR AND SEEK MEDICAL HELP IF BREATHING IS DIFFICULT. INGESTION: SEEK IMMEDIATE MEDICAL ATTENTION. LARGER AMOUNTS (AT LEAST SEVERAL OUNCES) SHOULD BE REMOVED FROM THE STOMACH BY INDUCED VOMITING OR ASPIRATION. FOLLOW MEDICAL ADVICE.

===== **SECTION VII - ACCIDENTAL RELEASE MEASURES** =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

CONTAIN SPILL. RECOVER AS MUCH AS POSSIBLE FOR REUSE. ABSORB REMAINDER WITH AN INERT MATERIAL. PLACE IN CLOSED CONTAINER AND STORE IN A SAFE LOCATION FOR DISPOSAL. WASH AREA WITH SOAP AND WATER. USE CAUTION TO AVOID FALLS WHEN WET.

PERSONAL PRECAUTIONS

NO ACTIONS SHALL BE TAKEN INVOLVING PERSONAL RISK OR WITHOUT PERSONAL TRAINING. EVACUATE SURROUNDING AREA. KEEP UNNECESSARY PERSONNEL FROM ENTERING. DO NOT TOUCH OR WALK THROUGH THE SPILLED MATERIAL. AVOID BREATHING VAPOR OR MIST. PROVIDE ADEQUATE VENTILATION. WEAR APPROPRIATE RESPIRATOR WHEN VENTILATION IS INADEQUATE. PUT ON PERSONAL PROTECTIVE EQUIPMENT.

ENVIRONMENTAL PRECAUTIONS

AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWERS. INFORM THE RELEVANT AUTHORITIES IF THE PRODUCT HAS CAUSED ENVIRONMENTAL POLLUTION (SEWERS, WATERWAYS, SOIL OR AIR).

===== **SECTION VIII - HANDLING AND STORAGE** =====

HANDLING

PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. EATING, DRINKING AND SMOKING SHOULD BE PROHIBITED IN AREAS WHERE THIS MATERIAL IS HANDLED, STORED AND PROCESSED. WORKERS SHOULD WASH HANDS AND FACE BEFORE EATING, DRINKING AND SMOKING. DO NOT INGEST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOR OR MIST. USE ONLY WITH ADEQUATE VENTILATION. WEAR PROTECTIVE RESPIRATOR WHEN VENTILATION IS INADEQUATE. KEEP IN THE ORIGINAL CONTAINER OR AN APPROVED ALTERNATIVE MADE FROM A COMPATIBLE MATERIAL, KEPT TIGHTLY CLOSED WHEN NOT IN USE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE HAZARDOUS. DO NOT REUSE CONTAINER.

STORAGE

STORE IN ACCORDANCE WITH LOCAL REGULATIONS. STORE IN ORIGINAL CONTAINER PROTECTED FROM DIRECT SUNLIGHT IN A DRY COOL AND WELL-VENTILATED AREA, AWAY FROM INCOMPATIBLE MATERIALS AND FOOD AND DRINK. KEEP CONTAINER TIGHTLY CLOSED AND SEALED UNTIL READY FOR USE. CONTAINERS THAT HAVE BEEN OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO PREVENT LEAKAGE. DO NOT STORE IN UNLABELED CONTAINERS. USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.

===== **SECTION IX - EXPOSURE CONTROL/PERSONAL PROTECTION** =====

M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

Page: 1
9/16/2010

ALUMINUM CHLORIDE, ANHYDROUS

OSHA PEL 1989 (UNITED STATES, 3/1989). NOTES:AS AL
TWA: 2 mg/m³, (as Al) 8 hour(s).

NIOSH REL (UNITED STATES, 6/2008). NOTES:AS AL
TWA: 2 mg/m³, (as Al) 10 hour(s)

CANADA

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	List name	TWA (8 hours)			STEL (15 min)			CEILING		NOTATIONS
		ppm	mg/m ³	Other	ppm	mg/m ³	Other	ppm	mg/m ³	Other
ALUMINUM CHLORIDE, ANHYDROUS	AB 6/2008	-	2	-	-	-	-	-	-	-
	BC 6/2008	-	2	-	-	-	-	-	-	[A]
ALUMINUM CHLORIDE, ANHYDROUS	ON 6/2008	-	2	-	-	-	-	-	-	-
	QC 6/2008	-	2	-	-	-	-	-	-	[A]

NOTES: [A] as Al

MEXICO

INGREDIENT

ALUMINUM CHLORIDE, ANHYDROUS

EXPOSURE LIMITS

NOM-010-STPS (MEXICO, 9/2000).

LMPE-PPT: 2 mg/m³ 8 hour(s)

CONSULT LOCAL AUTHORITIES FOR ACCEPTABLE EXPOSURE LIMITS.

RECOMMENDED MONITORING PROCEDURES

IF THE PRODUCT CONTAINS INGREDIENTS WITH EXPOSURE LIMITS, PERSONAL, WORKPLACE ATMOSPHERE OR BIOLOGICAL MONITORING MAY BE REQUIRED TO DETERMINE THE EFFECTIVENESS OF THE VENTILATION OR OTHER CONTROL MEASURES AND/OR THE NECESSITY TO USE RESPIRATORY PROTECTIVE EQUIPMENT.

ENGINEERING MEASURES

USE ONLY WITH ADEQUATE VENTILATION. IF USER OPERATIONS GENERATE DUST, FUMES, GAS, VAPOR OR MIST, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP WORKER EXPOSURE TO AIRBORNE CONTAMINANTS BELOW ANY RECOMMENDED OR STATUTORY LIMITS.

HYGIENE MEASURES

WASH HANDS, FOREARMS AND FACE THOROUGHLY AFTER HANDLING CHEMICAL PRODUCTS, BEFORE EATING, SMOKING AND USING THE LAVATORY AND AT THE END OF THE WORKING PERIOD. APPROPRIATE TECHNIQUES SHOULD BE USED TO REMOVE POTENTIALLY CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE REUSING. ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE CLOSE TO THE WORKSTATION LOCATION.

PERSONAL RESPIRATORY PROTECTION

USE A PROPERLY FITTED, AIR-PURIFYING OR AIR-FED RESPIRATOR COMPLYING WITH AN APPROVED STANDARD IF A RISK ASSESSMENT INDICATES THIS IS NECESSARY. RESPIRATOR SELECTION MUST BE BASED ON KNOWN OR ANTICIPATED EXPOSURE LEVELS, THE HAZARDS OF THE PRODUCT AND THE SAFE WORKING LIMITS OF THE SELECTED RESPIRATOR.

PROTECTIVE GLOVES

CHEMICAL-RESISTANT, IMPERVIOUS GLOVES COMPLYING WITH AN APPROVED STANDARD SHOULD BE WORN AT ALL TIMES WHEN HANDLING CHEMICAL PRODUCTS IF A RISK ASSESSMENT INDICATES THIS IS NECESSARY.

EYE PROTECTION

SAFETY EYEWEAR COMPLYING WITH AN APPROVED STANDARD SHOULD BE USED WHEN A RISK ASSESSMENT INDICATES THIS IS NECESSARY TO AVOID EXPOSURE TO LIQUID SPLASHES, MISTS OR DUSTS.

SKIN PROTECTION

PERSONAL PROTECTIVE EQUIPMENT FOR THE BODY SHOULD BE SELECTED BASED ON THE TASK BEING PERFORMED AND THE RISKS INVOLVED AND SHOULD BE APPROVED BY A SPECIALIST BEFORE HANDLING THIS PRODUCT.

ENVIRONMENTAL EXPOSURE CONTROLS

EMISSIONS FROM VENTILATION OR WORK PROCESS EQUIPMENT SHOULD BE CHECKED TO ENSURE THEY COMPLY WITH THE REQUIREMENTS OF ENVIRONMENTAL PROTECTION LEGISLATION

===== SECTION X - TOXICOLOGICAL INFORMATION

M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

Page: 1
9/16/2010

ENVIRONMENTAL EFFECTS

NO KNOWN SIGNIFICANT EFFECTS OF CRITICAL HAZARDS

UNITED STATES

ACUTE TOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
ALUMINIUM CHLORIDE, ANHYDROUS	LD50 DERMAL	RABBIT	>2 gm/kg	-
	LD50	RAT	333 mg/kg	-
	INTRAPERITONEAL			
	LD50 ORAL	RAT	3450 mg/kg	-
	LD50 UNREPORTED	RAT	>315 mg/kg	-
	TDL _o DERMAL	RABBIT	10 pph	-

CHRONIC TOXICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

IRRITATION/CORROSION

CONCLUSION/SUMMARY

- SKIN** : PROLONGED OR REPEATED CONTACT CAN DEFAT THE SKIN AND LEAD TO IRRITATION, CRACKING AND/OR DERMATITIS.
- EYES** : THIS PRODUCT MAY IRRITATE EYES UPON CONTACT.
- RESPIRATORY** : INHALATION OF OIL MIST OR VAPORS AT ELEVATED TEMPERATURES MAY CAUSE RESPIRATORY IRRITATION.

SENSITIZER

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

CARCINOGENICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

MUTAGENICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

TERATOGENICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

REPRODUCTIVE TOXICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

CANADA

ACUTE TOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
ALUMINIUM CHLORIDE, ANHYDROUS	LD50 DERMAL	RABBIT	>2 GM/KG	-
	LD50	RAT	333 MG/KG	-
	INTRAPERITONEAL			
	LD50 ORAL	RAT	3450 MG/KG	-
	LD50	RAT	>315 MG/KG	-
	UNREPORTED			
	TDLO DERMAL	RABBIT	10 PPH	-

CHRONIC TOXICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

IRRITATION/CORROSION

CONCLUSION/SUMMARY

- SKIN** : PROLONGED OR REPEATED CONTACT CAN DEFAT THE SKIN AND LEAD TO IRRITATION, CRACKING AND/OR DERMATITIS.
- EYES** : THIS PRODUCT MAY IRRITATE EYES UPON CONTACT.
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M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

Page: 1
9/16/2010

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

CARCINOGENICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

MUTAGENICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

TERATOGENICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

REPRODUCTIVE TOXICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

MEXICO

ACUTE TOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
ALUMINIUM CHLORIDE, ANHYDROUS	LD50 DERMAL	RABBIT	>2 GM/KG	-
	LD50	RAT	333 MG/KG	-
	INTRAPERITONEAL			
	LD50 ORAL	RAT	3450 MG/KG	-
	LD50	RAT	>315 MG/KG	-
	UNREPORTED			
	TDLO DERMAL	RABBIT	10 PPH	-

CHRONIC TOXICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

IRRITATION/CORROSION

CONCLUSION/SUMMARY

- SKIN** : PROLONGED OR REPEATED CONTACT CAN DEFAT THE SKIN AND LEAD TO IRRITATION, CRACKING AND/OR DERMATITIS.
- EYES** : THIS PRODUCT MAY IRRITATE EYES UPON CONTACT.
- RESPIRATORY** : INHALATION OF OIL MIST OR VAPORS AT ELEVATED TEMPERATURES MAY CAUSE RESPIRATORY IRRITATION.

SENSITIZER

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

CARCINOGENICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

MUTAGENICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

TERATOGENICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

REPRODUCTIVE TOXICITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

=====**SECTION XI - ECOLOGICAL INFORMATION**=====

ENVIRONMENTAL EFFECTS : NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

UNITED STATES

AQUATIC ECOTOXICITY

PRODUCT/INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Aluminium chloride, anhydrous	-	Acute EC50 3900 ug/l fresh water	Daphnia - water flea - daphnia magna - 12 hours	48 hours
	-	Acute EC50 2560 to 3060 ug/l fresh water	Daphnia - water flea - ceriodaphnia dubia - neonate - <24 hours	48 hours

M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

Page: 1
9/16/2010

	water	- neonate - <24 hours	
-	Acute EC50 1500 ug/l fresh water	Daphnia - water flea - ceriodaphnia dubia - neonate - <24 hours	48 hours
-	Acute LC50 6930 ug/l fresh water	Fish - rainbow trout, donaldson trout - oncorhynchus mykiss - juvenile (fledgling, hatchling, weanling) - 1 to 3 g	96 hours
-	Acute LC50 6170 to 7200 ug/l fresh water	Fish - rainbow trout, donaldson trout - oncorhynchus mykiss - juvenile (fledgling, hatchling, weanling) - 1 to 3 g	96 hours
-	Acute LC50 6170 to 7250 ug/l fresh water	Fish - rainbow trout, donaldson trout - oncorhynchus mykiss - juvenile (fledgling, hatchling, weanling) - 1 to 3 g	96 hours
-	Acute LC50 36900 to 44400 ug/l fresh water	Daphnia - water flea - ceriodaphnia sp. - <24 hours	48 hours
-	Acute LC50 27100 ug/l fresh water	Fish - western mosquitofish - gambusia affinis - adult	96 hours
-	Acute LC50 2300 ug/l fresh water	Daphnia - water flea - ceriodaphnia sp.	48 hours
-	Acute LC50 8600 to 11900 ug/l fresh water	Fish - rainbow trout, donaldson trout - oncorhynchus mykiss - 5.52 cm - 33 g	96 hours
-	Acute LC50 7670 to 9610 ug/l fresh water	Fish - rainbow trout, donaldson trout - oncorhynchus mykiss - juvenile (fledgling, hatchling, weanling) - 1 to 3 g	96 hours
-	Acute LC50 599 to 772 ug/l fresh water	Fish - atlantic salmon - salmo salar - alevin	96 hours
-	Acute LC50 584 to 676 ug/l fresh water	Fish - atlantic salmon - salmo salar - alevin	96 hours

BIODEGRADABILITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

CANADA

AQUATIC ECOTOXICITY

Product/ingredient	Test	Result	Species	Exposure
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M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

Page: 1
9/16/2010

ALUMINIUM CHLORIDE, ANHYDROUS	-	Acute EC50 3900 ug/l fresh water	Daphnia - water flea - daphnia magna - 12 hours	48 hours
	-	Acute EC50 2560 to 3060 ug/l fresh water	Daphnia - water flea - ceriodaphnia dubia - neonate - <24 hours	48 hours
	-	Acute EC50 1900 to 2040 ug/l fresh water	Daphnia - water flea - ceriodaphnia dubia - neonate - <24 hours	48 hours
	-	Acute EC50 1500 ug/l fresh water	Daphnia - water flea - ceriodaphnia dubia - neonate - <24 hours	48 hours
	-	Acute LC50 6930 ug/l fresh water	Fish - rainbow trout,donaldson trout - oncorhynchus mykiss - juvenile (fledgling, hatchling, weanling) - 1 to 3 g	96 hours
	-	Acute LC50 6170 to 7250 ug/l fresh water	Fish - rainbow trout,donaldson trout - oncorhynchus mykiss - juvenile (fledgling, hatchling, weanling) - 1 to 3 g	96 hours
	-	Acute LC50 6170 to 7200 ug/l fresh water	Fish - rainbow trout,donaldson trout - oncorhynchus mykiss - juvenile (fledgling, hatchling, weanling) - 1 to 3 g	96 hours
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	-	Acute LC50 27100 ug/l fresh water	Fish - western mosquitofish - gambusia affinis - adult	96 hours
	-	Acute LC50 2300 ug/l fresh water	Daphnia - water flea - ceriodaphnia sp.	48 hours
	-	Acute LC50 8600 to 11900 ug/l fresh water	Fish - rainbow trout,donaldson trout - oncorhynchus mykiss - 5.52 cm - 33 g	96 hours
	-	Acute LC50 7670 to 9610 ug/l fresh water	Fish - rainbow trout,donaldson trout - oncorhynchus mykiss - juvenile (fledgling, hatchling, weanling) - 1 to 3 g	96 hours
	-	Acute LC50 599 to 772 ug/l fresh	Fish - atlantic salmon - salmo salar	96 hours

M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

Page: 1
9/16/2010

676 ug/l fresh water salmon - salmo salar
- alevin

BIODEGRADABILITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

MEXICO

AQUATIC ECOTOXICITY

Product/ingredient name	Test	Result	Species	Exposure
ALUMINIUM CHLORIDE, ANHYDROUS	-	Acute EC50 3900 ug/l fresh water	Daphnia - water flea - daphnia magna - 12 hours	48 hours
	-	Acute EC50 2560 to 3060 ug/l fresh water	Daphnia - water flea - ceriodaphnia dubia - neonate - <24 hours	48 hours
	-	Acute EC50 1900 to 2040 ug/l fresh water	Daphnia - water flea - ceriodaphnia dubia - neonate - <24 hours	48 hours
	-	Acute EC50 1500 ug/l fresh water	Daphnia - water flea - ceriodaphnia dubia - neonate - <24 hours	48 hours
	-	Acute LC50 6930 ug/l fresh water	Fish - rainbow trout, donaldson trout - oncorhynchus mykiss - juvenile (fledgling, hatchling, weanling) - 1 to 3 g	96 hours
	-	Acute LC50 6170 to 7200 ug/l fresh water	Fish - rainbow trout, donaldson trout - oncorhynchus mykiss - juvenile (fledgling, hatchling, weanling) - 1 to 3 g	96 hours
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	-	Acute LC50 27100 ug/l fresh water	Fish - western mosquitofish - gambusia affinis - adult	96 hours
	-	Acute LC50 2300 ug/l fresh water	Daphnia - water flea - ceriodaphnia sp.	48 hours
	-	Acute LC50 8600 to 11900 ug/l fresh water	Fish - rainbow trout, donaldson trout - oncorhynchus mykiss - 5.52 cm - 33 g	96 hours

M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

Page: 1
9/16/2010

	water	Trout - Oncorhynchus Mykiss - Juvenile (Fledgling, Hatchling, Weanling) - 1 To 3 G	
-	Acute LC50 599 To 772 Ug/L Fresh Water	Fish - atlantic salmon - salmo salar - alevin	96 hours
-	Acute LC50 584 To 676 Ug/L Fresh Water	FISH - ATLANTIC SALMON - SALMO SALAR - ALEVIN	96 hours

BIODEGRADABILITY

NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

OTHER ADVERSE EFFECTS : NO KNOWN SIGNIFICANT EFFECTS OR CRITICAL HAZARDS.

=====**SECTION XII - DISPOSAL CONSIDERATIONS**=====

WASTE DISPOSAL

THE GENERATION OF WASTE SHOULD BE AVOIDED OR MINIMIZED WHEREVER POSSIBLE. EMPTY CONTAINERS OR LINERS MAY RETAIN SOME PRODUCT RESIDUES. THIS MATERIAL AND ITS CONTAINER MUST BE DISPOSED OF IN A SAFE WAY. DISPOSE OF SURPLUS AND NON-RECYCLABLE PRODUCTS VIA A LICENSED WASTE DISPOSAL CONTRACTOR. DISPOSAL OF THIS PRODUCT, SOLUTIONS AND ANY BY-PRODUCTS SHOULD AT ALL TIMES COMPLY WITH THE REQUIREMENTS OF ENVIRONMENTAL PROTECTION AND WASTE DISPOSAL LEGISLATION AND ANY REGIONAL LOCAL AUTHORITY REQUIREMENTS. AVOID DISPERSAL OF SPILLED MATERIAL AND RUNOFF AND CONTACT WITH SOIL, WATERWAYS, DRAINS AND SEWERS.

DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE REGIONAL, NATIONAL AND LOCAL LAWS AND REGULATIONS.

REFER TO SECTION VIII: HANDLING AND STORAGE AND SECTION IX: EXPOSURE CONTROLS/PERSONAL PROTECTION FOR ADDITIONAL HANDLING INFORMATION AND PROTECTION OF EMPLOYEES.

=====**SECTION XIII - TRANSPORTATION INFORMATION**=====

DOT, TDG, IMDG, IATA-DGR, ADR/RID, MEXICO CLASSIFICATION
NOT REGULATED.

=====**SECTION XIV - REGULATORY INFORMATION**=====

UNITED STATES

HCS CLASSIFICATION : IRRITATING MATERIAL

U.S. FEDERAL REGULATIONS

TSCA 8(A) PAIR: 1-(2-BUTOXY-1-METHYLETHOXY)PROPAN-2-OL

UNITED STATES INVENTORY (TSCA 8B): ALL COMPONENTS ARE LISTED OR EXEMPTED.

SARA 302/304/311/312 EXTREMELY HAZARDOUS SUBSTANCES: NO PRODUCTS WERE FOUND.

SARA 302/304 EMERGENCY PLANNING AND NOTIFICATION: NO PRODUCTS WERE FOUND.

SARA 302/304/311/312 HAZARDOUS CHEMICALS: ALUMINIUM CHLORIDE, ANHYDROUS

SARA 311/312 MSDS DISTRIBUTION - CHEMICAL INVENTORY - HAZARD IDENTIFICATION:

ALUMINIUM CHLORIDE, ANHYDROUS: REACTIVE, IMMEDIATE (ACUTE) HEALTH HAZARD, DELAYED (CHRONIC) HEALTH HAZARD

DEA LIST I CHEMICALS : NOT LISTED
(PRECURSOR CHEMICALS)

DEA LIST II CHEMICALS : NOT LISTED
(ESSENTIAL CHEMICALS)

STATE REGULATIONS

M A T E R I A L S A F E T Y D A T A S H E E T

DT-8100

Page: 1
9/16/2010

ALUMINUM CHLORIDE

NEW JERSEY HAZARDOUS SUBSTANCES: THE FOLLOWING COMPONENTS ARE LISTED: ALUMINUM CHLORIDE

NEW JERSEY SPILL: NONE OF THE COMPONENTS ARE LISTED.

NEW JERSEY TOXIC CATASTROPHE PREVENTION ACT: NONE OF THE COMPONENTS ARE LISTED.

PENNSYLVANIA RTK HAZARDOUS SUBSTANCES: THE FOLLOWING COMPONENTS ARE LISTED: ALUMINUM CHLORIDE (ALCL3)

CANADA

WHMIS (CANAD:

CLASS E: CORROSIVE MATERIAL

CANADIAN LISTS

CEPA TOXIC SUBSTANCES: NONE OF THE COMPONENTS ARE LISTED.

CANADIAN ARET: NONE OF THE COMPONENTS ARE LISTED.

CANADIAN NPRI: NONE OF THE COMPONENTS ARE LISTED.

ALBERTA DESIGNATED SUBSTANCES: NONE OF THE COMPONENTS ARE LISTED.

ONTARIO DESIGNATED SUBSTANCES: NONE OF THE COMPONENTS ARE LISTED.

QUEBEC DESIGNATED SUBSTANCES: NONE OF THE COMPONENTS ARE LISTED.

CANADA INVENTORY : NOT DETERMINED.

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CONTROLLED PRODUCTS REGULATIONS.

MEXICO

CLASSIFICATION :

HEALTH NFPA 2 1 0 FLAMMABILITY SPECIAL REACTIVITY

INTERNATIONAL REGULATIONS

INTERNATIONAL LISTS : AUSTRALIA INVENTORY (AICS): NOT DETERMINED.
CHINA INVENTORY (IECSC): NOT DETERMINED.
JAPAN INVENTORY: NOT DETERMINED.
KOREA INVENTORY: NOT DETERMINED.
NEW ZEALAND INVENTORY OF CHEMICALS (NZIOC): NOT DETERMINED.
PHILIPPINES INVENTORY (PICCS): NOT DETERMINED.

CHEMICAL WEAPONS : NOT LISTED
CONVENTION LIST
SCHEDULE I CHEMICALS

CHEMICAL WEAPONS : NOT LISTED
CONVENTION LIST
SCHEDULE II CHEMICALS

CHEMICAL WEAPONS CONVENTION
LIST SCHEDULE III :CHEMICALS

===== **SECTION XVI - OTHER INFORMATION** =====

DISCLAIMER

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