

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: <p style="text-align: center;">Uptake™</p>	CHEMICAL FORMULA: <p style="text-align: center;">MIXTURE</p>
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CHEMICAL FAMILY:
QUATERNARY AMMONIUM CHLORIDE, ALCOHOL, WATER.

SECTION 2 - HAZARDOUS INGREDIENT INFORMATION

Section 313 of SARA Title III: Ingredients subject to reporting are identified by asterisk (*)

CAS NO.	COMPONENT	%	ACGIH TLV	OSHA PEL	OTHER
7173-51-5	DIDECYL DIMETHYL AMMONIUM CHLORIDE	7.5	N/E	N/E	N/E
64-17-5	ETHYL ALCOHOL	< 2	1000 PPM	1000 PPM	N/E
67-63-0	ISOPROPYL ALCOHOL	10	400 PPM	400 PPM	N/E

SECTION 3 - PHYSICAL PROPERTIES

BOILING POINT: 200° F	MELTING POINT: N/E	SPECIFIC GRAVITY (H ₂ O=1) 0.97	VAPOR PRESSURE (mmHg) N/E
VAPOR DENSITY (AIR=1): N/E	% SOLUBILITY IN WATER: 100	% VOLATILE BY WEIGHT: 90 - 95	
APPEARANCE: CLEAR LIQUID	ODOR: SLIGHTLY SWEET	EVAPORATION RATE (Butyl Acetate=1) < 1	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT & METHOD: 97° F (CLOSED CUP)	FLAMMABLE LIMITS IN AIR - LEL: N/E	UEL: N/E
EXTINGUISHING MEDIA: <p style="text-align: center;">DRY CHEMICAL, FOAM, WATER.</p>		
SPECIAL FIRE FIGHTING PROCEDURES: <p style="text-align: center;">SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING</p>		
UNUSUAL FIRE AND EXPLOSION HAZARDS: <p style="text-align: center;">NONE KNOWN</p>		

SECTION 5 - REACTIVITY DATA

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS: <p style="text-align: center;">CO, AMMONIA, NITROUS OXIDES, HYDROGEN CHLORIDE</p>
CONDITIONS & MATERIALS TO AVOID: <p style="text-align: center;">STRONG OXIDIZERS.</p>

SECTION 6 - PROTECTIVE EQUIPMENT & EXPOSURE CONTROL METHODS

RESPIRATORY PROTECTION: <p style="text-align: center;">NOT NORMALLY REQUIRED</p>				
VENTILATION	LOCAL EXHAUST: RECOMMENDED	MECHANICAL: ACCEPTABLE	SPECIAL: NONE	OTHER: NONE
PROTECTIVE GLOVES: <p style="text-align: center;">RUBBER OR NEOPRENE</p>			EYE PROTECTION: <p style="text-align: center;">GOGGLES RECOMMENDED</p>	
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: <p style="text-align: center;">AS NECESSARY TO PREVENT SKIN CONTACT</p>			WORK/HYGIENIC PRACTICES: <p style="text-align: center;">AVOID EYE CONTACT</p>	

PRODUCT NAME: Uptake

SECTION 7 - HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY:

INHALATION, EYES, SKIN

CARCINOGEN:

NONE

NTP:

N/A

IARC MONOGRAPHS:

N/A

OSHA:

N/A

INHALATION:

MAY BE IRRITATING.

EYE CONTACT:

SEVERE IRRITANT, POSSIBLE CORROSIVE DAMAGE.

SKIN CONTACT:

IRRITANT.

INGESTION:

TOXIC.

SECTION 8 - EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MIN. AND GET MEDICAL ATTENTION.

SKIN CONTACT:

FLUSH WITH WATER FOR 15 MINUTES.

INHALATION:

PROVIDE FRESH AIR.

INGESTION:

IMMEDIATELY DRINK LARGE QUANTITIES OF MILK OR WATER. DO NOT INDUCE VOMITING. GET PROMPT MEDICAL ATTENTION.

SECTION 9 - SPILL, LEAK & DISPOSAL INFORMATION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

DILUTE SMALL SPILLS WITH WATER AND FLUSH TO SEWER. ABSORB LARGER SPILLS ON ABSORBENT MATERIAL.

WASTE DISPOSAL METHOD:

DISPOSE OF IN APPROVED WASTE DISPOSAL AREA IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 10 - SHIPPING DATA

DOT SHIPPING NAME:

FLAMMABLE LIQUIDS, N.O.S., (ISOPROPYL ALCOHOL AND ETHANOL), CLASS 3, UN 1993, PG III. (FLASH POINT 97°F)

SECTION 11 - SPECIAL PRECAUTIONS & OTHER INFORMATION

SPECIAL INSTRUCTIONS:

KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

OTHER INFORMATION/PRECAUTIONS:

AVOID OPEN FLAME.

COMMON ABBREVIATIONS THAT MAY HAVE BEEN USED: N/A = NOT APPLICABLE N/E = NOT ESTABLISHED

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PREPARED BY: *Ian Hunt*

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