MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: Uptake™

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 (*)

<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>COMPONENT</th>
<th>%</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>7173-51-5</td>
<td>DIDECYL DIMETHYL AMMONIUM CHLORIDE</td>
<td>7.5</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>64-17-5</td>
<td>ETHYL ALCOHOL</td>
<td>&lt; 2</td>
<td>1000 PPM</td>
<td>1000 PPM</td>
<td>N/E</td>
</tr>
<tr>
<td>67-63-0</td>
<td>ISOPROPYL ALCOHOL</td>
<td>10</td>
<td>400 PPM</td>
<td>400 PPM</td>
<td>N/E</td>
</tr>
</tbody>
</table>

SECTION 3 - PHYSICAL PROPERTIES

BOILING POINT: MELTING POINT: SPECIFIC GRAVITY (H₂O=1) VAPOR PRESSURE (mmHg)
200°F N/E 0.97 N/E

VAPOR DENSITY (AIR=1): % SOLUBILITY IN WATER: % VOLATILE BY WEIGHT: N/E 100 90 - 95
N/E

APPEARANCE: ODOR: EVAPORATION RATE (Butyl Acetate=1)
CLEAR LIQUID SLIGHTLY SWEET < 1

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT & METHOD: FLAMMABLE LIMITS IN AIR - LEL: UEL:
970°F (CLOSED CUP) N/E N/E

EXTINGUISHING MEDIA:
DRY CHEMICAL, FOAM, WATER.

SPECIAL FIRE FIGHTING PROCEDURES:
SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING

UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE KNOWN

SECTION 5 - REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:
CO, AMMONIA, NITROUS OXIDES, HYDROGEN CHLORIDE

CONDITIONS & MATERIALS TO AVOID:
STRONG OXIDIZERS.

SECTION 6 - PROTECTIVE EQUIPMENT & EXPOSURE CONTROL METHODS

RESPIRATORY PROTECTION:
NOT NORMALLY REQUIRED

VENTILATION
LOCAL EXHAUST: RECOMMENDED MECHANICAL: ACCEPTABLE SPECIAL: NONE OTHER: NONE

PROTECTIVE GLOVES:
RUBBER OR NEOPRENE

EYE PROTECTION:
GOGGLES RECOMMENDED

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
WORK/HYGIENIC PRACTICES:

AS NECESSARY TO PREVENT SKIN CONTACT

AVOID EYE CONTACT
PRODUCT NAME: Uptake

SECTION 7 - HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY:

INHALATION, EYES, SKIN

CARCINOGEN: NONE N/A N/A N/A

NTP: N/A IARC MONOGRAPHS:

OSHA:

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 DATE: 9 Dec 08