

*** MATERIAL SAFETY DATA SHEET ***
QUICK RELEASE AGENT (#N008-018)
(PAGE 1)
DATE OF PREP: 5/30/00

SECTION A

DISTRIBUTOR: UV PROCESS SUPPLY
ADDRESS: 1229 W. CORTLAND
CHICAGO, IL 60614-4805
TELEPHONE #: (773) 248-0099

EMERGENCY#: 1-800-228-5635, EXT. 009 (USA) 1-651-632-9275 (OUTSIDE USA)

MFR. ID.: QUICK RELEASE AGENT 14 OZ.
TRADE NAME: QUICK RELEASE AGENT 14 OZ.

PRODUCT HAZARD RATINGS (NFPA):

HEALTH=1; FIRE=4; REACTIVITY=0; PROTECTIVE EQUIPMENT=*B;
(RATING LEGEND: 4=EXTREME; 3=SERIOUS; 2=MODERATE; 1=SLIGHT; 0=MINIMAL)

SECTION B HAZARDOUS COMPONENTS

NAMES	CAS #	EXPOSURE LIMITS (LD50 ORAL RAT)	SARA TITLE III SEC 313	ACGIH TLV/TWA	OSHA PEL	% BY WT.
Heavy Alkylate Naphtha	64741-65-7	--	--	100*	100	50-60
Isopropyl Alcohol (dermal rab)	67-63-0	1300 mg/kg	--	400	400	30-40
Liquified Petroleum Gas	68476-85-7	NE	--	1000	1000	10-15

UNIDENTIFIED INGREDIENTS ARE NOT CONSIDERED HAZARDOUS UNDER THE FEDERAL HAZARD STANDARD.
COMPONENTS LISTED AS A SUSPECTED CARCINOGEN: NONE.

SECTION C PHYSICAL DATA

BOILING POINT: N/A
SOLUBILITY IN WATER: NEGLIGIBLE
VAPOR PRESSURE (PSIG): 105 @ 130F
SPECIFIC GRAVITY (H2O=1): <1.0
VAPOR DENSITY (AIR=1): >1
REACTIVITY IN WATER: N/A
APPEARANCE AND ODOR: SLOW STREAM SPRAY

SECTION D FIRE AND EXPLOSION HAZARDS

AEROSOL FLAMMABILITY: THIS PRODUCT IS CONSIDERED TO BE EXTREMELY FLAMMABLE AS DESCRIBED IN
16CFR 1500.45. FLAMMABLE LIMITS (% VOLUME IN AIR - PROPELLANT): LEL: 1.8 UEL: 9.2

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM AND/OR DRY CHEMICAL MAY BE USED.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: CONTAINERS SHOULD BE COOLED WITH WATER TO
PREVENT VAPOR PRESSURE BUILD-UP. USE EQUIPMENT SHIELDING AS REQUIRED TO PROTECT PERSONNEL
FROM BURSTING, RUPTURING OR VENTING CONTAINERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: AT ELEVATED TEMPERATURES (OVER 54C/130F), CONTAINER
EXPOSED TO DIRECT FLAME OR HEAT CONTACT SHOULD BE COOLED WITH WATER TO PREVENT WEAKENING
OF CONTAINER STRUCTURE.

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SECTION E

REACTIVITY

STABILITY: STABLE
INCOMPATIBILITY (Materials to Avoid): OXIDIZING AGENTS, HEAT AND OPEN FLAME
HAZARDOUS POLYMERIZATION: N/A
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, AND ADDITIONAL TOXIC CHEMICALS MAY BE FORMED IN SMALL AMOUNTS.
CONDITIONS TO AVOID: DO NOT STORE ABOVE 54C-130F. KEEP AWAY FROM HEAT, DIRECT SUNLIGHT, OPEN FLAMES OR SPARKS. DROPPING OF CONTAINERS MAY CAUSE BURSTING.

SECTION F

HEALTH INFORMATION

ROUTES OF ENTRY: INHALATION, EYES, SKIN, INGESTION.

SIGNS AND SYMPTOMS OF EXPOSURE:

INHALATION MAY CAUSE DIZZINESS AND DROWSINESS. EYE CONTACT MAY BE IRRITATING. SKIN CONTACT MAY CAUSE REDNESS OR IRRITATION. INGESTION OF AEROSOLS IS NOT A LIKELY ROUTE HOWEVER, INGESTION OF THE LIQUID MAY RESULT IN VOMITING WHICH COULD CAUSE ASPIRATION PNEUMONITIS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

PRE-EXISTING SKIN OR EYE DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. FLUSH SKIN WITH WATER, FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED.

INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED BY KEEPING THE VICTIM'S HEAD BELOW THE HIPS. GET MEDICAL ATTENTION IMMEDIATELY.

NOTE TO PHYSICIAN: PRODUCT CONTAINS APPROXIMATELY 55% PETROLEUM DISTILLATE. IF MORE THAN 2.0ML PER KG HAS BEEN INGESTED AND VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH SUPERVISION. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE USING A CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

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SECTION G SPILL OR LEAK PROCEDURES

RELEASES OR SPILLS

REMOVE ALL SOURCES OF IGNITION AND VENTILATE AREA. SOAK UP SPILL WITH AN INERT ABSORBENT AND PLACE INTO A DESIGNATED DISPOSAL CONTAINER. CONSULT LOCAL REGULATORY AGENCY FOR PROPER DISPOSITION OF MATERIAL.

WASTE DISPOSAL

DO NOT PUNCTURE OR INCINERATE CONTAINERS. WHEN CONTENTS ARE DEPLETED CONTINUE TO DEPRESS BUTTON UNTIL ALL GAS IS EXPELLED. DISPOSED OF CONTAINER IN ACCORDING WITH FEDERAL, STATE AND LOCAL REGULATIONS.

HANDLING AND STORING

AVOID BREATHING VAPOR. KEEP AWAY FROM HEAT AND FLAME. USE WITH ADEQUATE VENTILATION. DO NOT PUNCTURE OR INCINERATE CONTAINERS. DO NOT EXPOSE TO DIRECT SUNLIGHT OR STORE AT TEMPERATURES ABOVE 130F (54C). STORE AS LEVEL 3 AEROSOL (NFPA 30B).

OTHER PRECAUTIONS

PLEASE READ AND FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL; THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE WAY, AND GIVE THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.

SECTION H SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NONE REQUIRED IF GOOD VENTILATION IS MAINTAINED. IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS (SEC. II), USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.
VENTILATION: LOCAL EXHAUST IS ADEQUATE UNDER NORMAL CONDITIONS. MECHANICAL VENTILATION IS OPTIONAL.
PROTECTIVE GLOVES: CHEMICAL RESISTANT GLOVES*
EYE PROTECTION: CHEMICAL SAFETY GLASSES ARE RECOMMENDED*
OTHER PROTECTIVE CLOTHING: WEAR IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT.
WORK/HYGIENIC PRACTICES: ENSURE STRICT SANITARY CONDITIONS ARE CONFORMED TO WHEN WORKING AROUND CHEMICALS. PROTECTIVE CLOTHING AND EQUIPMENT SHOULD BE IN ACCORDANCE WITH 29 CFR 1910.132 AND CFR 1910.133.

SECTION I OTHER REGULATORY CONTROLS

GOVERNMENTAL LISTINGS: INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

SECTION J TRANSPORTATION REQUIREMENTS (D.O.T. CLASSIFICATION)

SHIPPING NAME: CONSUMER COMMODITY HAZARD CLASS: ORM-D

NG=NEGLIGIBLE NA=NOT APPLICABLE NE=NOT ESTABLISHED UN=UNAVAILABLE ND=NOT DETERMINED

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