US Chemical

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

NAME: DISINFECTANT CLEANER
USE: DISINFECTANT CLEANER
LABEL BRAND: ARRAY
MSDS # 4359328 GFS REORDER # 596159

U S CHEMICAL, 316 HART STREET, WATERTOWN WI 53094 USA
MEDICAL EMERGENCY #: 1-866-923-4913 USA
SPILL EMERGENCY #: 1-800-424-9300 USA
PRODUCT INFORMATION #: 1-800-558-9566 (8 A.M. TO 5 P.M. CST MONDAY TO FRIDAY)
INTERNET ADDRESS: WWW.USCHEMICAL.COM
REVIEWED 9-1-10 REVISED 9-1-10 SECTION REVISED: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CAUTION! CONTENTS UNDER PRESSURE. AEROSOL. TEMPERATURE ABOVE 120 F OR 49 C MAY CAUSE CAN TO BURST. IF FIRE OCCURS, USE EQUIPMENT TO SHIELD OR PROTECT PERSONNEL FROM VENTING OR RUPTURING AEROSOL CANS. MAY BE IRRITATING TO EYES AND SKIN.

PRINCIPLE ROUTES OF EXPOSURE: SKIN, EYES, INHALATION

POTENTIAL ACUTE HEALTH EFFECTS

EYES: MAY BE MODERATELY IRRITATING TO EYES.
SKIN: MAY BE MODERATELY IRRITATING TO SKIN.
INHALATION: INHALATION OF MISTS OR VAPORS MAY CAUSE IRRITATION TO NOSE, THROAT, AND MUCOUS MEMBRANES, HEADACHE, DIZZINESS, DROWSINESS AND PULMONARY IRRITATION. SEVERITY DEPENDS ON DEGREE OF EXPOSURE.
INGESTION: MAY CAUSE ABDOMINAL DISCOMFORT, NAUSEA, VOMITING AND DIARRHEA.
MEDICAL CONDITIONS AGGRAVATED: PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTABLE TO IRRITATING EFFECTS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WT	LC50/LD50
LIQUEFIED PETROLEUM GAS – PROPANE	74-98-6	BELOW 5.0	N.AV.
LIQUEFIED PETROLEUM GAS – N-BUTANE	106-97-8	BELOW 5.0	N.AV.
2-BUTOXYETHANOL	111-76-2	1.0 – 5.0	N.AV.
N-ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	68391-01-5	0.115	N.AV.
N-ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE	68956-79-6	0.115	N.AV.
TETRASODIUM EDTA	64-02-8	1.0 – 5.0	N.AV.

STATE RIGHT TO KNOW: EPA EXEMPT.

4. FIRST AID MEASURES

EYES: HOLD EYE OPEN AND RINSE SLOWLY AND GENTLY WITH WATER FOR 15 – 20 MINUTES. REMOVE CONTACT LENSES, IF PRESENT, AFTER FIRST FIVE MINUTES, THEN CONTINUE RINSING EYE.
SKIN: TAKE OFF CONTAMINATED CLOTHING. RINSE SKIN IMMEDIATELY WITH PLENTY OF WATER FOR 15 – 20 MINUTES.
INHALATION: MOVE PERSON TO FRESH AIR. IF PERSON IS NOT BREATHING, CALL 911 OR AN AMBULANCE, THEN GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH-TO-MOUTH IF POSSIBLE.
INGESTION: CALL A POISON CONTROL CENTER OR DOCTOR IMMEDIATELY FOR TREATMENT ADVICE. HAVE PERSON SIP A GLASS OF WATER IF ABLE TO SWALLOW. DO NOT INDUCE VOMITING UNLESS TOLD TO DO SO BY A POISON CONTROL CENTER OR DOCTOR. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING POISON CENTER OR DOCTOR OR GOING FOR TREATMENT.
ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-866-923-4913 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.

NOTE TO PHYSICIAN: CALL 1-866-923-4913 FOR ASSISTANCE WITH THE MANAGEMENT OF EXPOSURES.

5. FIRE-FIGHTING MEASURES

FLAMMABILITY: NOT REQUIRED TO BE LABELED AS FLAMMABLE AEROSOL AS DESCRIBED BY 40 CFR 156.78
FLAMMABILITY LIMITS (PROPELLANT): SEE SECTION 9.
FLASH POINT: PROPELLANT = BELOW 0 F, CONCENTRATE= ABOVE 200 F
PRODUCTS OF COMBUSTION: SEE SECTION 10.
SUITABLE EXTINGUISHING MEDIA: TO FIGHT FIRE, USE CARBON DIOXIDE, DRY CHEMICAL OR ALCOHOL FOAM.
SPECIFIC HAZARDS: CONTENTS ARE UNDER PRESSURE IN AEROSOL CAN. TEMPERATURE ABOVE 130 F OR 54 C MAY CAUSE AEROSOL CAN TO BURST OR RUPTURE.
SPECIFIC METHODS: COOL CONTAINERS WITH WATER SPRAY TO PREVENT VAPOR PRESSURE BUILD UP. USE EQUIPMENT OR SHIELDING, AS REQUIRED, TO PROTECT PERSONNEL FROM BURSTING, RUPTURING OR VENTING CONTAINERS.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: SEE SECTION 8. PUT ON APPROPRIATE PPE.
SPILL RESPONSE: IF CONTAINERS BEGIN TO LEAK THROUGH PUNCTURED OR DEFECTIVE PACKAGING, ALLOW IT TO DISCHARGE COMPLETELY IN A WELL VENTILATED AREA. WEAR PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS. REMOVE SOURCES OF IGNITION. AVOID HEAT, SPARK OR FLAME. KEEP COMBUSTIBLES AWAY! AVOID DIRECT DISCHARGE TO SEWER AND SURFACE WATERS. PUMP TO CONTAINER OR SOAK UP WITH NON-COMBUSTIBLE INERT ABSORBENT MATERIALS. AFTER SPILL COLLECTION, FLUSH AREA WITH WATER AND FOLLOW WITH NORMAL CLEAN-UP PROCEDURES. BE CAREFUL AS SPILLS ARE SLIPPERY.

7. HANDLING AND STORAGE

HANDLING: FOLLOW ALL LABEL DIRECTIONS. AVOID HEAT, SPARKS OR OPEN FLAME. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES. AVOID INHALATION, INGESTION AND CONTACT WITH SKIN AND EYES. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. HANDLE CAREFULLY TO AVOID PUNCTURE.
STORAGE: ROTATE STOCK REGULARLY. HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER. KEEP AWAY FROM SPARKS, OR OPEN FLAME. KEEP FROM FREEZING.
STORE IN A COOL DRY AREA OUT OF DIRECT SUNLIGHT. KEEP OUT OF CHILDREN'S REACH. KEEP AWAY FROM FOOD AND DRINKING WATER. STORE AS LEVEL 1 AEROSOL (NFPA 30B).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: LIQUEFIED PETROLEUM GAS = 1000 PPM TWA (ACGIH/OSHA)
2-BUTOXYETHANOL = 20 PPM TWA (ACGIH), 50 PPM TWA-SKIN (OSHA)
ENGINEERING CONTROLS: NOT ORDINARILY NEEDED. SPRAY AWAY FROM YOURSELF TO AVOID INHALATION OF MISTS. IF EXPOSURE EXCEEDS LIMITS FOR PEL/TLV, USE A NIOSH APPROVED RESPIRATOR.

PERSONAL PROTECTION
EYES: SAFETY GLASSES WITH SIDE SHIELDS. HAVE AN EYE WASH STATION AVAILABLE.
HANDS: NONE REQUIRED WITH NORMAL USE.
RESPIRATORY: NONE REQUIRED WITH NORMAL USE. AVOID INHALATION OF MIST.
FEET: N.AP.
BODY: N.AP.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR: PALE YELLOW
ODOR: FRAGRANT
pH CONCENTRATE: 12.0 – 13.0
pH @ 2500 PPM SOLUTION: N.AP.
pH @ USE DILUTION: N.AP.
PHYSICAL STATE: LIQUID IN AEROSOL CAN
SPECIFIC GRAVITY: LESS THAN 1.0
VISCOSITY: NON-VISCOUS
BOILING POINT: N.AP.
MELTING POINT: N.AP.

FLASH POINT: SEE SECTION 5.
UEL: 9.5% (FOR PROPELLANT)
LEL: 1.9% (FOR PROPELLANT)
EVAPORATION RATE: N.AV.
ODOR THRESHOLD: N.AV.
VAPOR PRESSURE: 123@130 F PSIG
VAPOR DENSITY: N.AV.
COEFF. OIL/WATER: N.AP.
WATER SOLUBILITY: COMPLETE
OTHER: N.AP.

10. STABILITY AND REACTIVITY

STABLE: YES
CONDITIONS TO AVOID: DO NOT STORE ABOVE 49 C OR 120 F. KEEP AWAY FROM HEAT, DIRECT SUNLIGHT, OPEN FLAMES OR SPARKS. AVOID SPRAYING ON HOT SURFACES. DROPPING MAY CAUSE CONTAINER TO BURST.
MATERIALS TO AVOID: AVOID CONTACT WITH OTHER CLEANING PRODUCTS.
DECOMPOSITION PRODUCTS: FIRE OR MIXING WITH INCOMPATIBLE MATERIALS MAY PRODUCE OXIDES OF CARBON AND OTHER TOXIC OR IRRITATING FUMES.

POSSIBILITY OF HAZARDOUS REACTIONS: N.AP.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: SEE SECTION 2.
CHRONIC EFFECTS: NONE KNOWN. NO REPORTABLE CARCINOGENS, MUTAGENS, SENSITIZERS, SYNERGISTIC MATERIALS, TERATOGENS, OR REPRODUCTIVE TOXINS.
LC50/LD50: N.AV.
TARGET ORGANS: EYES, SKIN, RESPIRATORY SYSTEM
OTHER TOXIC EFFECTS: NONE KNOWN.

12. ECOLOGICAL INFORMATION

NOT AVAILABLE.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS. CONSULT REGULATORY AGENCIES FOR RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. DO NOT THROW IN FIRE. DO NOT PUNCTURE OR INCINERATE CONTAINERS. WHEN CONTENTS ARE DEPLETED CONTINUE TO DEPRESS BUTTON UNTIL ALL GAS IS EXPELLED. AEROSOL CYLINDER IS NOT REFILLABLE. GIVE TO A DISPOSAL SERVICE EQUIPPED TO SAFELY DISPOSE OF PRESSURIZED CONTAINERS. PLEASE RECYCLE EMPTY CONTAINER WHENEVER POSSIBLE.

14. TRANSPORT INFORMATION

DOT/TDG: CONSUMER COMMODITY, ORM-D
DOT RQ: N.AP.
IMDG: UN1950, AEROSOLS, 2.1, LTD. QTY.

15. REGULATORY INFORMATION

EPA CERCLA RQ: N.AP.
EPA REGISTERED: YES (706-65-45133)
OSHA HAZARDOUS: YES
PHOSPHORUS CONTENT: 0.00%
PROPOSITION 65: N.AP.
SARA 311/312 HAZARDS: ACUTE, FIRE, PRESSURE
SARA 313 CHEMICALS: 2-BUTOXYETHANOL
STATE RIGHT TO KNOW: SEE SECTION 3 FOR STATE RTK CHEMICAL NAMES.
TSCA INVENTORY STATUS: ALL COMPONENTS ARE LISTED ON THE INVENTORY.
VOC: 7.90% CALCULATION METHOD USED IS BASED ON CALIFORNIA ARB STANDARD.

16. OTHER INFORMATION

NFPA RATING: HEALTH-2/FLAMMABILITY-2/REACTIVITY-0/SPECIAL HAZARD-N.AP.
HMIS RATING: HEALTH-2/FLAMMABILITY-2/REACTIVITY-0/PERSONAL PROTECTION-SEE 8.0

N.AV. = NOT AVAILABLE N.AP. = NOT APPLICABLE PREPARED BY: HEALTH AND SAFETY

NOTICE TO READER

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