

1. PRODUCT AND COMPANY IDENTIFICATION**NAME: READY TO USE CITRUS SPRAY & WIPE****USE:** NEUTRAL CITRUS DEGREASER**LABEL: ARRAY****MSDS # 3216131R GFS REORDER # 552763 CODE # 4471563**

US CHEMICAL, 316 HART STREET, WATERTOWN, WI 53094 USA

MEDICAL EMERGENCY #: 1-800-851-7145 EXT. 075 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 11-2-07 REVISED 11-2-07 SECTION REVISED: 1

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW:** CAUTION! MAY BE IRRITATING TO EYES AND SKIN.**PRINCIPLE ROUTES OF EXPOSURE:** EYES, SKIN, INGESTION, INHALATION.**POTENTIAL ACUTE HEALTH EFFECTS****EYES:** MAY BE MODERATELY IRRITATING TO EYES.**SKIN:** MAY BE MILDLY IRRITATING TO SKIN.**INHALATION:** MAY BE IRRITATING TO NOSE, THROAT AND RESPIRATORY TRACT.**INGESTION:** MAY BE IRRITATING TO MOUTH, THROAT AND STOMACH. 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
ISOPROPYL ALCOHOL	67-63-0	1.0 – 5.0	N.AV.
STATE RIGHT TO KNOW: THIS PRODUCT CONTAINS: WATER/7732-18-5, ALCOHOL ETHOXYLATE/68439-46-3, ISOPROPYL ALCOHOL/67-63-0			

4. FIRST AID MEASURES

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EYES: FLUSH IMMEDIATELY WITH PLENTY OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SKIN: FLUSH IMMEDIATELY WITH PLENTY OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

INHALATION: NO SPECIFIC FIRST AID MEASURES ARE REQUIRED.

INGESTION: DO NOT INDUCE VOMITING. IF PATIENT IS CONSCIOUS AND CAN SWALLOW, ADMINISTER MILK OR WATER.

ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-851-7145 EXT. 075 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.

NOTE TO PHYSICIAN: CALL 1-800-851-7145 EXT. 075 FOR ASSISTANCE WITH THE MANAGEMENT OF EXPOSURES.

5. FIRE-FIGHTING MEASURES

FLAMMABILITY: ALTHOUGH THIS PRODUCT HAS A FLASH POINT BELOW 200°F, IT IS AN AQUEOUS SOLUTION WHICH HAS BEEN TESTED AND SHOWN NOT TO SUSTAIN COMBUSTION.

FLASH POINT: 147°F TCC

PRODUCTS OF COMBUSTION: SEE SECTION 10.

SUITABLE EXTINGUISHING MEDIA: FOR FIRES IN AREA, USE APPROPRIATE MEDIA. FOR EXAMPLE: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR ALCOHOL FOAM.

SPECIFIC HAZARDS: A VAPOR ACCUMULATION MAY FLASH IF IGNITED.

SPECIFIC METHODS: NORMAL FIRE-FIGHTING PROCEDURES MAY BE USED.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: SEE SECTION 8.

SPILL RESPONSE: EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS. VENTILATE AREA IF NEEDED. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DIKE OR DAM LARGE SPILLS. 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. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES.

AVOID INGESTION AND CONTACT WITH EYES. DO NOT TASTE OR SWALLOW.

REMOVE AND WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE.

PRODUCT RESIDUE MAY REMAIN ON OR IN EMPTY CONTAINERS.

HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER.

STORAGE: ROTATE STOCK REGULARLY. KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID TEMPERATURES BELOW 35°F OR ABOVE 120°F. PROTECT FROM FREEZING.

STORAGE AT AMBIENT TEMPERATURES IN A DRY AREA OUT OF DIRECT SUNLIGHT IS

RECOMMENDED. KEEP AWAY FROM FOOD AND DRINK. KEEP OUT OF CHILDREN'S REACH.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE LIMITS:

ISOPROPYL ALCOHOL = 200 PPM TWA, 400 PPM STEL (ACGIH), 400 PPM TWA (OSHA)

ENGINEERING CONTROLS: NONE REQUIRED. GENERAL ROOM VENTILATION IS ADEQUATE.

PERSONAL PROTECTION

EYES: NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS.

HANDS: NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS.

RESPIRATORY: NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS.

FEET: NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS.

BODY: NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS.

HYGIENE MEASURES: USE GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR: ORANGE

ODOR : CITRUS

pH CONCENTRATE: 10.0

pH @ 2500 PPM SOLUTION: N.A.P.

pH @ USE DILUTION: N.A.P.

PHYSICAL STATE: LIQUID

SPECIFIC GRAVITY: 1.008

VISCOSITY: NON-VISCOUS

BOILING POINT: N.A.P.

MELTING POINT: N.A.P.

FLASH POINT: 147°F TCC

UEL: N.A.P.

LEL: N.A.P.

EVAPORATION RATE: N.A.P.

ODOR THRESHOLD: N.A.P.

VAPOR PRESSURE: N.A.P.

VAPOR DENSITY: N. AP.

COEFF. OIL/WATER: N.A.P.

WATER SOLUBILITY: COMPLETE

OTHER: N.A.P.

10. STABILITY AND REACTIVITY

STABLE: YES

CONDITIONS TO AVOID: AVOID TEMPERATURES BELOW 35°F OR ABOVE 120°F.

MATERIALS TO AVOID: AVOID MIXING DIRECTLY WITH ANY OTHER CLEANING PRODUCT. AVOID OXIDIZING AGENTS. MIX ONLY WITH WATER.

DECOMPOSITION PRODUCTS: FIRE OR MIXING WITH INCOMPATIBLE MATERIALS MAY PRODUCE OXIDES OF CARBON AND OTHER TOXIC OR IRRITATING FUMES.

POSSIBILITY OF HAZARDOUS REACTIONS: N.A.P.

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.A.V.

TARGET ORGANS: EYES, SKIN, RESPIRATORY SYSTEM.

OTHER TOXIC EFFECTS: NONE KNOWN.

12. ECOLOGICAL INFORMATION

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NOT AVAILABLE.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS AND REGULATIONS. CONSULT STATE AND LOCAL AUTHORITIES FOR RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. MANAGE CHEMICAL WASTES THROUGH AN APPROVED WASTE TREATMENT FACILITY. DO NOT REUSE EMPTY CONTAINER. RINSE EMPTY CONTAINER THOROUGHLY WITH WATER BEFORE DISCARDING CONTAINER IN ACCORDANCE WITH CURRENT LOCAL COMMUNITY CODES. PLEASE RECYCLE EMPTY CONTAINER WHENEVER POSSIBLE.

14. TRANSPORT INFORMATION**DOT/TDG:** NOT REGULATED.**DOT RQ:** N.A.P.**DOT ERG #:** N.A.P.**15. REGULATORY INFORMATION****EPA CERCLA RQ:** N.A.P.**EPA REGISTERED:** NO**EPA %VOC:** 1.64**EPA VOC RULE:** PRODUCT COMPLIES WITH THE EPA VOC EMISSIONS STANDARD.**OSHA HAZARDOUS:** YES**PHOSPHORUS CONTENT:** 0.00%**PROPOSITION 65:** N.A.P.**SARA 311/312 HAZARDS:** ACUTE, FIRE**SARA 313 CHEMICALS:** N.A.P.**STATE RIGHT TO KNOW:** SEE SECTION 3 FOR STATE RTK CHEMICAL NAMES.**TSCA INVENTORY STATUS:** ALL COMPONENTS ARE LISTED ON THE INVENTORY.**16. OTHER INFORMATION****NFPA RATING:** HEALTH-2/FLAMMABILITY-1/REACTIVITY-0/SPECIAL HAZARD-N.A.P.**HMIS RATING:** HEALTH-2/FLAMMABILITY-1/REACTIVITY-0/PERSONAL PROTECTION-SEE 8.0

N.A.V. = NOT AVAILABLE N.A.P. = NOT APPLICABLE

PREPARED BY: HEALTH AND SAFETY

NOTICE TO READER

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