

1. PRODUCT AND COMPANY IDENTIFICATION

NAME: USC6
USE: AMMONIATED WINDOW CLEANER
LABEL BRAND: U S CHEMICAL
MSDS # 4349533U CODE # 5559049

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 12-14-10 REVISED 12-14-10 SECTION REVISED: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER. CORROSIVE AND FLAMMABLE LIQUID.
 CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED.



PRINCIPLE ROUTES OF EXPOSURE: EYES, SKIN, INGESTION, INHALATION.

POTENTIAL ACUTE HEALTH EFFECTS

EYES: CORROSIVE. CAUSES EYE BURNS. MAY CAUSE PERMANENT DAMAGE INCLUDING BLINDNESS WITHOUT IMMEDIATE FIRST AID TREATMENT.

SKIN: CORROSIVE. CAUSES SKIN BURNS. MAY CAUSE PERMANENT DAMAGE. HARMFUL CONTACT MAY NOT CAUSE IMMEDIATE PAIN.

INHALATION: CORROSIVE. INHALATION OF MISTS MAY CAUSE CORROSIVE EFFECTS TO NOSE, THROAT AND RESPIRATORY SYSTEM.

INGESTION: CORROSIVE. MAY CAUSE BURNS TO MOUTH, THROAT AND STOMACH. HARMFUL OR FATAL IF SWALLOWED.

MEDICAL CONDITIONS AGGRAVATED: NONE KNOWN.

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WT	LC50/LD50
ISOPROPYL ALCOHOL	67-63-0	10.0 – 30.0	N.AV.
MONOETHANOLAMINE	141-43-5	1.0 – 5.0	SEE 11.0
HEXYLENE GLYCOL	107-41-5	5.0 – 10.0	N.AV.
AMMONIUM HYDROXIDE	1336-21-6	1.0 – 5.0	SEE 11.0

STATE RIGHT TO KNOW:

WATER/7732-18-5, ISOPROPYL ALCOHOL/67-63-0, HEXYLENE GLYCOL/107-41-5,
 MONOETHANOLAMINE/141-43-5, AMMONIUM HYDROXIDE/1336-21-6

4. FIRST AID MEASURES

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EYES: IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15-20 MINUTES, KEEPING EYELIDS OPEN. **SKIN:** IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15-20 MINUTES. REMOVE AND WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE.

IF SWALLOWED: RINSE MOUTH. GIVE A CUPFUL OF WATER OR MILK. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: IF BREATHING IS AFFECTED: REMOVE TO FRESH AIR.

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: FLAMMABLE

FLASH POINT: 29°C (84.2°F) TCC

PRODUCTS OF COMBUSTION: SEE SECTION 10.

SUITABLE EXTINGUISHING MEDIA: FOR FIRES IN AREA, USE APPROPRIATE MEDIA. USE DRY CHEMICAL OR ALCOHOL FOAM.

SPECIFIC HAZARDS: VAPOR ACCUMULATION MAY FLASH IF IGNITED. CORROSIVE PRODUCT MAY REACT WITH CERTAIN METALS. SEE 8 AND 10.

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

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

SEE SECTION 8. CORROSIVE. PUT ON PERSONAL PROTECTIVE EQUIPMENT.

SPILL RESPONSE: ELIMINATE ALL IGNITION SOURCES. 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. WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE. 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.

USE IN WELL-VENTILATED AREAS. AVOID BREATHING VAPORS OR MISTS.

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. KEEP AWAY FROM HEAT, SPARK AND FLAME. 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: HEXYLENE GLYCOL = 25 PPM CEILING (ACGIH)
 MONOETHANOLAMINE = 3 PPM TWA, 6 PPM STEL (ACGIH), 3 PPM TWA (OSHA)
 ISOPROPYL ALCOHOL = 200 PPM TWA, 400 PPM STEL (ACGIH), 400 PPM TWA (OSHA)
ENGINEERING CONTROLS: NONE REQUIRED. GENERAL ROOM VENTILATION IS TYPICALLY ADEQUATE.

PERSONAL PROTECTION

EYES: SPLASH PROOF SAFETY GLASSES, SAFETY GOGGLES AND AN EYE WASH STATION.
HANDS: CHEMICAL RESISTANT GLOVES: RUBBER OR NEOPRENE. LONG TYPE IF NEEDED.
RESPIRATORY: IF MISTS/VAPORS ARE NOT CONTROLLED BY VENTILATION, WEAR SUITABLE RESPIRATOR.
FEET: WEAR PROTECTIVE FOOTWEAR DURING SPILL CLEAN-UP & WHEN EXPOSURE IS POSSIBLE.
BODY: IF MAJOR EXPOSURE IS POSSIBLE, WEAR FULL-COVER PROTECTIVE CLOTHING.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR: DARK BLUS	FLASH POINT: 29°C (84.2°F) TCC
ODOR: AMMONIA	UEL: N.AV.
pH CONCENTRATE: GREATER THAN 11.5 (BASIC)	LEL: N.AV.
pH @ 2500 PPM SOLUTION: N.AP.	EVAPORATION RATE: N.AP.
pH @ USE DILUTION: N.AP.	ODOR THRESHOLD: N.AP
PHYSICAL STATE: LIQUID	VAPOR PRESSURE: N.AP
SPECIFIC GRAVITY: 0.980	VAPOR DENSITY: N. AP.
VISCOSITY: NON-VISCOUS	COEFF. OIL/WATER: N.AP.
BOILING POINT: N.AP.	WATER SOLUBILITY: COMPLETE
MELTING POINT: N.AP.	OTHER: N.AP.

10. STABILITY AND REACTIVITY

STABLE: YES
CONDITIONS TO AVOID: AVOID TEMPERATURES BELOW 35°F.
 AVOID HEAT, SPARKS AND FLAME.
MATERIALS TO AVOID: AVOID MIXING DIRECTLY WITH ANY OTHER CLEANING PRODUCT.
 AVOID ACIDS AND VARIOUS METALS (ALUMINUM, ZINC, TIN, BRASS OR BRONZE) WHICH CAN
 GENERATE FLAMMABLE HYDROGEN GAS. 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: AVOID MIXING DIRECTLY WITH ACIDS.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: CORROSIVE. SEE SECTION 2.
CHRONIC EFFECTS: NONE KNOWN. NO REPORTABLE CARCINOGENS, MUTAGENS,
 SENSITIZERS, SYNERGISTIC MATERIALS, TERATOGENS, OR REPRODUCTIVE TOXINS.
LC50/LD50: AMMONIUM HYDROXIDE: 350 MG/KG ORAL-RAT LD50
 ISOPROPYL ALCOHOL: 4396 MG/KG ORAL-RAT LD50
 MONOETHANOLAMINE: 1720 MG/KG ORAL-RAT LD50
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: UNDILUTED PRODUCT IS REGULATED UNDER ENVIRONMENTAL AND TRANSPORTATION LAWS AS A FLAMMABLE WASTE (RCRA CLASS D001) AND CORROSIVE WASTE (RCRA CLASS D002). DISPOSE OF ACCORDING TO 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: CONSUMER COMMODITY, ORM-D

DOT RQ: N.AP.

DOT ERG #: 132

IMDG: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

(ISOPROPYL ALCOHOL, MONOETHANOLAMINE), 3 (8), UN2924, III, LTD. QTY., (29C (cc))

15. REGULATORY INFORMATION

EPA CERCLA RQ: N.AP.

EPA REGISTERED: NO

OSHA HAZARDOUS: YES

PHOSPHORUS CONTENT: 0.00%

PROPOSITION 65: N.AP.

SARA 311/312 HAZARDS: ACUTE, FIRE

SARA 313 CHEMICALS: N.AP.

STATE RIGHT TO KNOW: SEE SECTION 3 FOR CHEMICAL NAMES.

TSCA INVENTORY STATUS: ALL COMPONENTS ARE LISTED ON THE INVENTORY.

VOC: 18.97% CALCULATION METHOD USED IS BASED ON CALIFORNIA ARB STANDARD.

WHMIS CLASS: B-2, E

16. OTHER INFORMATION

NFPA RATING: HEALTH-3/FLAMMABILITY-3/REACTIVITY-0/SPECIAL HAZARD-N.AP.

HMIS RATING: HEALTH-3/FLAMMABILITY-3/REACTIVITY-0/PERSONAL PROTECTION-SEE 8.0

N.AV. = NOT AVAILABLE N.AP. = NOT APPLICABLE

PREPARED BY: HEALTH AND SAFETY

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