

1FID: 00311691
VER DATE: 1996-07-02

C H E M I S T R I DATE: 10/22/02
MATERIAL SAFETY DATA SHEET TIME: 19:02:27
PAGE: 0001

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: CLASSIC; SUPER HEAVY DUTY; INDUSTRIAL
ALL SYNONYMS : ARTICLE. OSHA HAZARD COMMUNICATION STANDARD
ALL SYNONYMS : DOES NOT APPLY.

BATTERY
CARBON-ZINC (ZINC CHLORIDE)
CLASSIC; SUPER HEAVY DUTY; INDUSTRIAL
CLASSIC, SUPER HEAVY DUTY, INDUSTRIAL
EVEREADY BATTERY
EVEREADY CLASSIC BATTERY
EVEREADY GENERAL PURPOSE BATTERY - 1.5 VOLT "D"
EVEREADY GENERAL PURPOSE BATTERY - 15 VOLT
EVEREADY INDUSTRIAL BATTERY
EVEREADY INDUSTRIAL BATTERY - 1.5 VOLT "C"
EVEREADY INDUSTRIAL BATTERY - 6.0 VOLT "C"
EVEREADY SUPER HEAVY DUTY BATTERY
GM EMERGENCY KIT
0057-0010
0057-0024
0057-0055
0057-0251
0057-0252
12367743
12495037
12495038
12495039

SAFE USE CATEGORY AND DESCRIPTION: 08 -METALS, METAL SALTS, SOLDERS,
POWDERED M

LAST UPDATED DATE: 1996-07-02

MANUFACTURER'S ID (MID): 000539529
MANUFACTURER'S NAME: EVEREADY BATTERY COMPANY INC
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 216-835-7368
MANUFACTURER'S MAILING ADDRESS:
25225 DETROIT ROAD
WESTLAKE OH 44145
US

SECTION 1 - OTHER INFORMATION: CHEMICAL SYSTEM: CARBON-ZINC (ZINC
CHLORIDE) // DESIGNED FOR RECHARGE: NO // THIS PRODUCT IS TO BE USED IN
THE WORKPLACE FOR A SPECIFIC END USE. CONSEQUENTLY, THE OSHA HAZARD
COMMUNICATION STANDARD DOES NOT APPLY. THE REASON FOR THE EXEMPTION IS
CONTAINED IN 29 CFR, PART 1910.1200, (B) (6) (V), AS AMENDED AUGUST 12,
1994 PER THE FEDERAL REGISTER.

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
001313139	R 15.0000/ 31.0000%	W	MANGANESE DIOXIDE
001333864	R 3.0000/ 7.0000%	W	CARBON BLACK
007440666	R 7.0000/ 42.0000%	W	ZINC
007646857	R 2.0000/ 10.0000%	W	ZINC CHLORIDE
012125029	< 0.0000/ 10.0000%	W	AMMONIUM CHLORIDE

SECTION 2 - OTHER INFORMATION: IMPORTANT NOTE: THE BATTERY SHOULD NOT BE OPENED OR BURNED. EXPOSURE TO THE INGREDIENTS CONTAINED WITHIN OR THEIR COMBUSTION PRODUCTS COULDBE HARMFUL. // ADDITIONAL INGREDIENT INFORMATION IS NOT REQUIRED BECAUSE THIS PRODUCT IS OSHA EXEMPT.

THRESHOLD LIMIT VALUE: 1333864: 3.5 MG/M3 TWA // 12125029: 10 MG/M3 TWA (FUME) 20 MG/M3 CEILING (FUME) // 1313139: 0.2 MG/M3 TWA (AS MN) // 7440666: 10 MG/M3 TWA (INHALABLE PARTICULATE) // 7646857: 1 MG/M3 TWA (FUME), 2 MG/M3 STEL (FUME)

PERMISSIBLE EXPOSURE LIMIT: 1333864: 3.5 MG/M3 TWA // 12125029: NONE ESTABLISHED // 1313139: 5 MG/M3 CEILING (AS MN) // 7440666: 15 MG/M3 TWA (TOTAL DUST AS PARTICULATES NOT OTHERWISE REGULATED), 5 MG/M3 TWA (RESPIRABLE FRACTION AS PARTICULATES NOT OTHERWISE REGULATED) // 7646857: 1 MG/M3 TWA (FUME)

SECTION 03: HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - SKIN: CONTENTS OF AN OPEN BATTERY CAN CAUSE SKIN IRRITATION AND/OR CHEMICAL BURNS. REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. IF A CHEMICAL BURN OCCURS OR IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

EFFECTS OF OVEREXPOSURE - EYE: CONTENTS OF AN OPEN BATTERY CAN CAUSE SEVERE IRRITATION AND CHEMICAL BURNS. IMMEDIATELY FLUSH EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS, UNTIL NO EVIDENCE OF THE CHEMICAL REMAINS. SEEK MEDICAL ATTENTION

EFFECTS OF OVEREXPOSURE - INHALATION: CONTENTS OF AN OPEN BATTERY CAN CAUSE RESPIRATORY IRRITATION. PROVIDE FRESH AIR AND SEEK MEDICAL ATTENTION.

EFFECTS OF OVEREXPOSURE - INGESTION: SWALLOWING A BATTERY CAN BE HARMFUL. CONTENTS OF AN OPEN BATTERY CAN CAUSE SERIOUS CHEMICAL BURNS OF MOUTH, ESOPHAGUS, AND GASTROINTESTINAL TRACT. IF BATTERY OR OPEN BATTERY IS INGESTED, DO NOT INDUCE VOMITING OR GIVE FOOD OR DRINK. SEEK MEDICAL ATTENTION IMMEDIATELY. CALL NATIONAL BATTERY INGESTION HOTLINE FOR ADVICE AND FOLLOW-UP (202625-3333) COLLECT, DAY OR NIGHT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN

ADDITIONAL HEALTH HAZARD DATA: UNDER NORMAL CONDITIONS OF USE, THE BATTERY IS HERMETICALLY SEALED.

SECTION 05: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: IN CASE OF FIRE, IT IS PERMISSIBLE TO USE ANY CLASS OF EXTINGUISHING MEDIUM ON THESE BATTERIES OR THEIR PACKING MATERIAL. COOL EXTERIOR OF BATTERIES IF EXPOSED TO FIRE TO PREVENT RUPTURE.

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

NFPA CODES:

NFPA FLAMMABILITY CODE = 0

NFPA HEALTH CODE = 3

NFPA REACTIVITY CODE = 1

SECTION 5 - OTHER INFORMATION: NFPA RATINGS: N/D

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORAGE: STORE IN A COOL, WELL VENTILATED AREA. ELEVATED TEMPERATURES CAN RESULT IN SHORTENED BATTERY LIFE // MECHANICAL CONTAINMENT: IF POTTING OR SEALING THE BATTERY IN AN AIRTIGHT OR WATER-TIGHT CONTAINER IS REQUIRED, CONSULT YOUR EVEREADY-BATTERY COMPANY REPRESENTATIVE FOR PRECAUTIONARY SUGGESTIONS. BATTERIES NORMALLY EVOLVE HYDROGEN WHICH, WHEN COMBINED WITH OXYGEN FROM THE AIR, CAN PRODUCE A COMBUSTIBLE OR EXPLOSIVE MIXTURE UNLESS VENTED. IF SUCH A MIXTURE IS PRESENT, SHORT CIRCUITS, HIGH TEMPERATURE, OR STATIC SPARKS CAN CAUSE AN IGNITION. // DO NOT OBSTRUCT SAFETY RELEASE VENTS ON BATTERIES. ENCAPSULATION (POTTING) OF BATTERIES WILL NOT ALLOW CELL VENTING AND CAN CAUSE HIGH PRESSURE RUPTURE. // HANDLING: ACCIDENTAL SHORT CIRCUIT FOR A FEW SECONDS WILL NOT SERIOUSLY AFFECT THE BATTERY, PROLONGED SHORT CIRCUITS WILL CAUSE THE BATTERY TO LOSE ENERGY, AND CAN CAUSE THE SAFETY RELEASE VENT TO OPEN. SOURCES OF SHORT CIRCUITS INCLUDE JUMBLED BATTERIES IN BULK CONTAINERS, METAL JEWELRY, METAL COVERED TABLES OR METAL BELTS USED FOR ASSEMBLY OF BATTERIES IN DEVICES. // IF SOLDERING OR WELDING TO THE BATTERY IS REQUIRED, CONSULT YOUR EVEREADY BATTERY COMPANY REPRESENTATIVE FOR PROPER PRECAUTIONS TO PREVENT SEAL DAMAGE OR SHORT CIRCUIT. // CHARGING: THIS BATTERY IS MANUFACTURED IN A CHARGED STATE, IT IS NOT DESIGNED FOR RECHARGING, RECHARGING CAN CAUSE BATTERY LEAKAGE OR, IN SOME CASES, HIGH PRESSURE RUPTURE. INADVERTENT CHARGING CAN OCCUR IF A BATTERY IS INSTALLED BACKWARDS.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: NOT NECESSARY UNDER NORMAL CONDITIONS. WEAR SAFETY GLASSES WITH SIDE SHIELDS IF HANDLING AN OPEN OR LEAKING BATTERY.

RESPIRATORY PROTECTION: NOT NECESSARY UNDER NORMAL CONDITIONS.

VENTILATION: NOT NECESSARY UNDER NORMAL CONDITIONS.

PROTECTIVE GLOVES (SPECIFY TYPE): NOT NECESSARY UNDER NORMAL CONDITIONS. USE NEOPRENE OR NATURAL RUBBER GLOVES IF HANDLING AN OPEN OR LEAKING BATTERY.

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY: ACETYLENE BLACK IS LISTED AS A POSSIBLE CARCINOGEN BY INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC)

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION: THE TRANSPORTATION OF DRY CELL BATTERIES MANUFACTURED OR SOLD BY EVEREADY BATTERY COMPANY IS NOT REGULATED BY THE U.S. DEPARTMENT OF TRANSPORTATION OR THE MAJOR INTERNATIONAL REGULATORY BODIES.

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION: SARA TITLE III: AS AN ARTICLE, THIS BATTERY AND ITS CONTENTS ARE NOT SUBJECT TO THE REQUIREMENTS OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT.

SECTION 16: OTHER INFORMATION

LABEL INFORMATION: LABELING: IF THE EVEREADY LABEL OR PACKAGE WARNINGS ARE NOT VISIBLE, IT IS IMPORTANT TO PROVIDE A PACKAGE AND/OR DEVICE LABEL STATING: WARNING: DO NOT DISPOSE OF IN FIRE, RECHARGE, PUT IN BACKWARDS, MIX WITH USED OR OTHER BATTERY TYPES - MAY EXPLODE OR LEAK AND CAUSE PERSONAL INJURY. // WHERE ACCIDENTAL INGESTION OF SMALL BATTERIES IS POSSIBLE, THE LABEL SHOULD STATE: WARNING: (1) KEEP AWAY FROM SMALL CHILDREN, IF SWALLOWED, PROMPTLY SEE DOCTOR: HAVE DOCTOR PHONE (202) 625-3333 COLLECT. (2) DO NOT DISPOSE OF IN FIRE, RECHARGE, PUT IN BACKWARDS, MIX WITH USED OR OTHER BATTERY TYPES - MAY EXPLODE OR LEAK AND CAUSE PERSONAL INJURY.

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C H E M I S T R I DATE: 10/22/02
MATERIAL SAFETY DATA SHEET TIME: 19:02:51
PAGE: 0001

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: KIDDE BC DRY CHEMICAL EXTINGUISHER

ALL SYNONYMS : BAKING

BAKING SODA
BC DRY CHEMICAL
CUA: 29-166
DRY CHEM
DRY CHEMICAL EXTINGUISHER
DRY CHEMICAL FIRE EXTINGUISHING AGENT
DRY CHEMICAL POWDER
DRY CHEMICAL POWDER:
FB20085
FIRE EXTINGUISHER BAKING SODA
GM EMERGENCY KIT
KIDDE BC DRY CHEMICAL EXTINGUISHER
KIDDE BC DRY CHEMICAL EXTINGUISHER
KIDDE REGULAR DRY CHEMICAL
MUA933
P/N 804904
P#09517904
PYRO-CHEM ABC DRY CHEMICAL
STEARATED SODIUM BICARBONATE DRY CHEMICAL
WALTER KIDDE BAKING SODA
12367736
12495037
12495038
12495039
186153 (OLD FID)
205091 (OLD FID)
91K057

MSDS SIGNED BY TITLE: DIR. ENVIRONMENTAL ENGINEERING

SAFE USE CATEGORY AND DESCRIPTION: 10 -CORROSIVES - ACID/BASE
POWDER,FLAKE,SALT

LAST UPDATED DATE: 1995-09-28

MANUFACTURER'S ID (MID): 000520105
MANUFACTURER'S NAME: WALTER KIDDE PORTABLE EQUIPMENT CO.
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 919-563-5911
MANUFACTURER'S MAILING ADDRESS:
1394 S THIRD ST
SUB. OF WILLIAMS HOLDINGS INC.
MEBANE NC 27302
US

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000144558	= 90.0000/	0.0000%	W SODIUM BICARBONATE (1:1)
008031183	R 1.0000/	3.0000%	W Fuller's earth
012001262	R 1.0000/	3.1000%	W SILICATE, MICA
068424168	R 0.5000/	2.0000%	W Fatty acids, C14-18 and C16-18-uns atd., calcium salts

SECTION 2 - OTHER INFORMATION: NOTES: TLV REPORTED AS 8-HOUR TIME-WEIGHTED AVERAGE FOR RESPIRABLE DUST (NUISANCE DUST)

THRESHOLD LIMIT VALUE: ACGIH TLV - CAS# 144-55-8: 15 MG/M3; CAS# 12001-26-2: .3 MG/CM3; CAS# 8031-18-3: NONE; CAS# 68424-16-8: NONE.

PERMISSIBLE EXPOSURE LIMIT: OSHA PEL - CAS# 144-55-8: NONE; CAS# 12001-26-2: 20 MPPCF; CAS# 8031-18-3: NONE; CAS# 68424-16-8: NONE.

SECTION 03: HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTE INDICATORS:

SKIN PRIMARY ENTRY ROUTE INDICATOR =	Y
EYE PRIMARY ENTRY ROUTE INDICATOR =	Y
INHALATION PRIMARY ENTRY ROUTE INDICATOR =	Y
INGESTION PRIMARY ENTRY ROUTE INDICATOR =	N

EFFECTS OF OVEREXPOSURE: (ACUTE AND CHRONIC): BREATHING DUST MAY IRRITATE THE NOSE AND THROAT AND CAUSE COUGHING AND CHEST DISCOMFORT. DUST MAY IRRITATE THE EYES. PROLONGED CONTACT CAN PRODUCE SLIGHT TO SEVERE SKIN IRRITATION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: RESPIRATORY DISEASE INCLUDING ASTHMA AND EMPHYSEMA. SKIN SENSITIVITY.

ADDITIONAL HEALTH HAZARD DATA: HAZARD - CAS# 144-55-8: NONE; CAS# 8031-18-3: NONE; CAS# 68424-16-8: NONE.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: WASH CONTACT AREA WITH SOAP AND WATER.

EMERGENCY FIRST AID PROCEDURES - EYES: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE.

EMERGENCY FIRST AID PROCEDURES - INHALATION: REMOVE FROM FURTHER EXPOSURE. IF UNCONSCIOUSNESS OCCURS, SEEK IMMEDIATE MEDICAL ASSISTANCE AND CALL A PHYSICIAN. IF BREATHING HAS STOPPED, USE MOUTH TO MOUTH RESUSCITATION.

EMERGENCY FIRST AID PROCEDURES - INGESTION: NOT EXPECTED TO BE A PROBLEM HOWEVER, IF GREATER THAN HALF LITER (ONE PINT) INGESTED, IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND CALL PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTES TO PHYSICIAN: SYMPTOMATIC TREATMENT ONLY.

SECTION 05: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: NOT APPLICABLE

SPECIAL FIRE FIGHTING PROCEDURES: THE MATERIAL IS NOT COMBUSTIBLE AND WILL NOT BURN. HOWEVER, USE STANDARD CHEMICAL FIRE FIGHTING PROCEDURES AND TREAT PRODUCT AS A NONFLAMMABLE COMPRESSED GAS CYLINDER WITH THE HAZARDS OF OTHER INVOLVED MATERIALS. FOR FIRES IN ENCLOSED AREAS FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: PRESSURIZED NONFLAMMABLE COMPRESSED GAS CYLINDER.

HMIS CODES:

HMIS REACTIVITY CODE = 0

HMIS HEALTH CODE = 1

HMIS FLAMMABILITY CODE = 0

NFPA CODES:

NFPA FLAMMABILITY CODE = 0

NFPA HEALTH CODE = 1

NFPA REACTIVITY CODE = 0

AUTO-IGNITION TEXT: NA

FLASH POINT TEXT: NA

SECTION 5 - OTHER INFORMATION: NFPA RATINGS: N/D // FLAMMABLE LIMITS IN AIR: THE PRODUCT IS NONFLAMMABLE

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: WEAR PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS , RUBBER GLOVES, RUBBER APRON , AND FULL FACE PIECE OR A HALF MASK AIR - PURIFYING CARTRIDGE RESPIRATOR WITH PARTICULATE FILTERS. WEAR CHEMICAL GOGGLES IF A HALF MASK IS WORN. CAUTION: WHEN HANDLING FIRE EXTINGUISHER WHICH HAS ACCIDENTALLY DISCHARGED SHOW CARE WHEN HANDLING AND POINT EXTINGUISHER DISCHARGE NOZZLE AWAY FROM THE FACE AREA. FOR SMALL SPILLS, SWEEP - UP AND DISPOSE OF IN A DOT- APPROVED WASTE CONTAINER. FOR LARGE SPILLS, SHOVEL INTO DOT - APPROVED WASTE CONTAINERS. KEEP OUT OF SEWERS, STORM DRAINS , SURFACE WATERS , AND SOIL. COMPLY WITH ALL APPLICABLE GOVERNMENT REGULATIONS ON SPILL REPORTING , HANDLING AND DISPOSAL OF WASTE.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL, DRY, WELL -VENTILATED PLACE AWAY FROM ACIDIC AND AMMONIUM COMPOUNDS. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. DO NOT CUT, GRIND, WELD, OR DRILL ON OR NEAR PRODUCT CONTAINERS. CONTAINERS , EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS -AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

SECTION 7 - OTHER INFORMATION: OTHER PRECAUTIONS: REPORT SPILLS AS REQUIRED TO APPROPRIATE AUTHORITIES. U.S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS. REPORT SPILLS TO COAST GUARD

TELEPHONE NUMBER (800) 424-8802. IN CASE OF ACCIDENT OR ROAD SPILL
NOTIFY CHEMTREC TELEPHONE NUMBER (800) 424-9300.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: CHEMICAL TYPE GOGGLES SHOULD BE WORN.

RESPIRATORY PROTECTION: USE DUST RESPIRATOR APPROVED BY NIOSH/MSHA
SCHEDULE TC-21C FOR DUSTY CONDITIONS OR IF DUST LEVELS EXCEED
ESTABLISHED STANDARDS. NO SPECIAL REQUIREMENTS UNDER ORDINARY
CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

VENTILATION: USE IN A WELL VENTILATED AREA.

WORKPLACE/HYGIENIC PRACTICES: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER,
GOOD PERSONAL HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEXT: NA

MELTING/FREEZE POINT TEXT: MELTING POINT: NA DECOMPOSES

VAPOR DENSITY TEXT: NA

VAPOR PRESSURE TEXT: AT 20 C: NA

EVAPORATION RATE TEXT: (BUTYL ACETATE = 1): NA

SOLUBILITY IN WATER TEXT: LIMITED

APPEARANCE: ODORLESS FINE WHITE POWDER

VISCOSITY TEXT: AT 20 C: NA

SECTION 9 - OTHER INFORMATION: RELATIVE DENSITY @ 20/4 C: NA

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: EXTREME HEAT

STABILITY - TEXT: STABLE

INCOMPATIBLE MATERIALS: ACIDIC AND AMMONIUM COMPOUNDS

HAZARDOUS DECOMPOSITION PRODUCTS: REACTION WITH ACIDS RELEASES CARBON
DIOXIDE GAS AND WITH AMMONIUM COMPOUNDS RELEASES AMMONIA GAS.

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY: NTP: NO, IARC: NO, OSHA: NO // THIS MATERIAL IS NOT
CONSIDERED TO BE A CARCINOGEN.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS
USED IN CLEAN-UP OF SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS
MATERIAL. CONSULT APPROPRIATE FEDERAL , STATE, AND LOCAL REGULATORY
AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES. NOTE: EMPTY
CONTAINERS CAN HAVE RESIDUES, GASES, AND MIST AND ARE SUBJECT TO PROPER
WASTE DISPOSAL, AS ABOVE.

SECTION 14: TRANSPORT INFORMATION

SHIPPING NAME: FIRE EXTINGUISHERS

HAZARD CLASS: 2.2 (NONFLAMMABLE COMPRESSED GAS)

U.N. CODE: UN1044

SECTION 14 - OTHER INFORMATION: PACKING GROUP: N/A

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION: U.S. OSHA HAZARD COMMUNICATION
STANDARD: PRODUCT ASSESSED IN ACCORDANCE WITH OSHA 20 CFR 1910.1200 AND
IS DETERMINED HAZARDOUS DUE TO CYLINDER BEING A PRESSURIZED VESSEL. //
U.S. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III:
THIS PRODUCT CONTAINS NO EXTREMELY HAZARDOUS SUBSTANCES. // SARA
(311/312, FORMERLY 302) REPORTABLE HAZARD CATEGORIES: NONE. // SARA
(313) TOXIC RELEASE PROGRAM: NO REPORTABLE CHEMICALS.

SECTION 16: OTHER INFORMATION

RCRA HAZARDOUS WASTE NUMBER TEXT: THE UNUSED PRODUCT, IN OUR OPINION IS
NOT SPECIFICALLY LISTED BY THE EPA AS HAZARDOUS WASTE (40 CFR, PART 26
ID), NOR IS IT FORMULATED TO CONTAIN MATERIALS WHICH ARE LISTED
HAZARDOUS WASTES. IT DOES NOT EXHIBIT THE HAZARDOUS CHARACTERISTICS OF
IGNITABILITY, CORROSIVITY, OR REACTIVITY, AND IS NOT FORMULATED WITH
CONTAMINANTS AS DETERMINED BY THE TOXICITY CHARACTERISTICS LEACHING
PROCEDURE (TCLP) HOWEVER, USED PRODUCT MAY BE REGULATED.

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: ANTISEPTIC TOWELETTE SOLUTION

ALL SYNONYMS : ANTISEPTIC TOWELETTE
ANTISEPTIC TOWELETTE SOLUTION
GM EMERGENCY KIT
TOWELETTE SOLUTION, ANTISEPTIC
12367747
12495037
12495038
12495039

SAFE USE CATEGORY AND DESCRIPTION: 16 -GENERAL USE

LAST UPDATED DATE: 1997-03-24

MANUFACTURER'S ID (MID): 000555759
MANUFACTURER'S NAME: ADVERTISING UNLIMITED, INC.
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 612-388-1298
MANUFACTURER'S MAILING ADDRESS:
5151 MOUNDVIEW DRIVE
RED WING MN 55066
US

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000064175	= 0.0100/ 0.0000%	W	ETHYL ALCOHOL
007732185	= 99.8600/ 0.0000%	W	WATER
008001545	= 0.1300/ 0.0000%	W	AMMONIUM, ALKYL DIMETHYLBENZYL-, CHLORIDE

THRESHOLD LIMIT VALUE: ACGIH TLV - CAS# 8001-54-5: NONE ESTABLISHED;
CAS# 64-17-5: 1000 PPM; CAS# 7732-18-5: NONE ESTABLISHED.

PERMISSIBLE EXPOSURE LIMIT: OSHA PEL - CAS# 8001-54-5: NONE ESTABLISHED;
CAS# 64-17-5: 1000 PPM; CAS# 7732-18-5: NONE ESTABLISHED.

SECTION 03: HAZARDS IDENTIFICATION

PRIMARY ENTRY ROUTE INDICATORS:

SKIN PRIMARY ENTRY ROUTE INDICATOR =	N
EYE PRIMARY ENTRY ROUTE INDICATOR =	N
INHALATION PRIMARY ENTRY ROUTE INDICATOR =	N
INGESTION PRIMARY ENTRY ROUTE INDICATOR =	N

EFFECTS OF OVEREXPOSURE: (ACUTE AND CHRONIC): NO ACUTE OR CHRONIC EFFECTS KNOWN OR EXPECTED

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT DETERMINED.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - EYES: FLUSH WITH WATER. CONSULT WITH PHYSICIAN IF IRRITATION PERSISTS.

EMERGENCY FIRST AID PROCEDURES - INGESTION: INDUCE VOMITING IF LARGE AMOUNTS ARE SWALLOWED.

SECTION 05: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: CARBON DIOXIDE OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: THIS PRODUCT WILL NOT BURN IN A LIQUID STATE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

NFPA CODES:

NFPA FLAMMABILITY CODE = 0

NFPA HEALTH CODE = 1

NFPA REACTIVITY CODE = 0

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: COLLECT FOR PROPER DISPOSAL. WASH DOWN SPILL AREA WITH WATER.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DO NOT FREEZE OR STORE AT TEMPERATURES EXCEEDING 1200 F FOR GOOD STABILITY.

SECTION 7 - OTHER INFORMATION: OTHER PRECAUTIONS: NONE

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: SAFETY GOGGLES

RESPIRATORY PROTECTION: NONE

VENTILATION: LOCAL EXHAUST: NONE. MECHANICAL (GENERAL): NONE. SPECIAL: NONE. OTHER: NONE.

PERSONAL PROTECTIVE EQUIPMENT: OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE

WORKPLACE/HYGIENIC PRACTICES: NONE

PROTECTIVE GLOVES (SPECIFY TYPE): NONE

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEXT: NOT KNOWN

MELTING/FREEZE POINT TEXT: MELTING POINT: NOT KNOWN

SPECIFIC GRAVITY VALUES: = 1.0000

VAPOR DENSITY TEXT: NOT KNOWN

VAPOR PRESSURE TEXT: NOT KNOWN

SOLUBILITY IN WATER TEXT: COMPLETE

APPEARANCE: CLEAR LIQUID

ODOR: NO FRAGRANCE.

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: NONE KNOWN

STABILITY - TEXT: STABLE

INCOMPATIBLE MATERIALS: NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN CHLORIDE, OXIDES OF CARBON,
OXIDES OF NITROGEN. ALL TRACE AMOUNTS

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY: CARCINOGENICITY: NONE // NTP?: NONE. IARC MONOGRAPHS?:
NONE. OSHA REGULATED?: NONE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL
REGULATIONS.

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: OXALATE COMPONENT, CONVENTIONAL TYPE, ALL COLORS
ALL SYNONYMS : GM EMERGENCY KIT

LIGHT STICK 12 HOUR
OXALATE COMPONENT, CONVENTIONAL TYPE, ALL COLORS
12367735
12495037
12495038
12495039
6293-01 (MSDS #)

SAFE USE CATEGORY AND DESCRIPTION: 16 -GENERAL USE

LAST UPDATED DATE: 1997-04-25

MANUFACTURER'S ID (MID): 000552586
MANUFACTURER'S NAME: OMNIGLOW CORPORATION
MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 800-228-5635
MANUFACTURER'S MAILING ADDRESS:
20-C PIMENTAL COURT
NOVATO CA 94949
US

CHEMICAL FAMILY NAME: MIXTURE

MOLECULAR FORMULA: MIXTURE

SECTION 1 - OTHER INFORMATION: WARNING: NO WARNING STATEMENT

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000084742	R 85.0000/ 95.0000%	W	PHTHALIC ACID, DIBUTYL ESTER
030431540	B 0.0000/ 0.0000%	W	Ethanedioic acid, bis[3,4,6-trichloro-2-[(pentyloxy)carbonyl]phenyl] ester

THRESHOLD LIMIT VALUE: ACGIH/PEL/TWA - CAS# 84-74-2: 5 MG/M3

PERMISSIBLE EXPOSURE LIMIT: OSHA PEL/TWA - CAS# 84-74-2: 5 MG/M3

SECTION 03: HAZARDS IDENTIFICATION

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT YET DETERMINED.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: IN CASE OF SKIN CONTACT, WASH
AFFECTED AREAS OF SKIN WITH SOAP AND WATER.
EMERGENCY FIRST AID PROCEDURES - EYES: IN CASE OF EYE CONTACT,
IMMEDIATELY IRRIGATE WITH PLENTY OF WATER FOR 15 MINUTES.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: N/A
FLAMMABLE UEL: N/A

EXTINGUISHING MEDIA: USE WATER SPRAY, CARBON DIOXIDE OR DRY CHEMICAL TO
EXTINGUISH FIRES.

SPECIAL FIRE FIGHTING PROCEDURES: USE WATER TO KEEP CONTAINERS COOL.
WEAR SELF-CONTAINED POSITIVE PRESSURE BREATHING APPARATUS.

NFPA CODES:

NFPA FLAMMABILITY CODE = 1
NFPA HEALTH CODE = 0
NFPA REACTIVITY CODE = 0

AUTO-IGNITION TEXT: NOT AVAILABLE

FLASH POINT TEMPS: > 100.00C/ 212.00F
FLASH POINT METHOD: CC

SECTION 5 - OTHER INFORMATION: NFPA HAZARD - FIRE: MATERIAL THAT MUST
BE PREHEATED BEFORE IGNITION CAN OCCUR. HEALTH: MATERIALS WHICH ON
EXPOSURE UNDER FIRE CONDITIONS WOULD OFFER NO HAZARD BEYOND THAT OF
ORDINARY COMBUSTIBLE MATERIAL. REACTIVITY: MATERIALS WHICH IN
THEMSELVES ARE NORMALLY STABLE, EVEN UNDER FIRE EXPOSURE CONDITIONS,
AND WHICH ARE NOT REACTIVE WITH WATER. // FLAMMABLE LIMITS (% BY VOL):
NOT APPLICABLE // DECOMPOSITION TEMP.: NOT AVAILABLE

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: SWEEP UP SPILLS AND PLACE IN A WASTE DISPOSAL
CONTAINER. FLUSH AREA WITH WATER. PREVENT RUN-OFF FROM ENTERING DRAINS,
SEWERS, OR STREAMS.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE ABOVE 60 F (L6.6
C) TO MAINTAIN PRODUCT INTEGRITY.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: FOR OPERATIONS WHERE EYE OR FACE CONTACT CAN OCCUR, EYE
PROTECTION IS RECOMMENDED.

RESPIRATORY PROTECTION: WHERE EXPOSURES ARE BELOW THE PERMISSIBLE
EXPOSURE LIMIT (PEL), NO RESPIRATORY PROTECTION IS REQUIRED. WHERE

EXPOSURES EXCEED THE PEL, USE RESPIRATOR APPROVED BY NIOSH FOR THE MATERIAL AND LEVEL OF EXPOSURE. SEE GUIDE TO INDUSTRIAL RESPIRATORY PROTECTION- (NIOSH).

ENGINEERING CONTROLS: ENGINEERING CONTROLS ARE NOT USUALLY NECESSARY IF GOOD HYGIENE PRACTICES ARE FOLLOWED.

WORKPLACE/HYGIENIC PRACTICES: BEFORE EATING, DRINKING, OR SMOKING, WASH FACE AND HANDS THOROUGHLY WITH SOAP AND WATER. AVOID UNNECESSARY SKIN CONTACT.

PROTECTIVE GLOVES (SPECIFY TYPE): NITRILE // IMPERVIOUS GLOVES ARE RECOMMENDED TO PREVENT PROLONGED SKIN CONTACT.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEMPS: = 340.00C/ 644.00F

MELTING/FREEZE POINT TEXT: MELTING POINT: NOT APPLICABLE

SPECIFIC GRAVITY VALUES: R 1.0000- 1.0500

VAPOR DENSITY TEXT: NOT APPLICABLE

VAPOR PRESSURE TEXT: NEGLIGIBLE

EVAPORATION RATE TEXT: NEGLIGIBLE

SOLUBILITY IN WATER TEXT: IMMISCIBLE

PH OF PRODUCT AS RECEIVED (NEAT)/TEXT: NOT APPLICABLE

APPEARANCE: COLORED, MOBILE LIQUID

ODOR: DIBUTYL PHTHALATE ODOR

MOLECULAR WEIGHT TEXT: MIXTURE

SECTION 9 - OTHER INFORMATION: SATURATION IN AIR (BY VOL): NOT APPLICABLE

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: NONE KNOWN

STABILITY - TEXT: STABLE

INCOMPATIBLE MATERIALS: STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION OR COMBUSTION MAY PRODUCE HYDROGEN CHLORIDE, CARBON MONOXIDE AND OR CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID: NONE KNOWN

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

SKIN EFFECTS: THE ESTIMATED DERMAL (RABBIT) LD50 VALUES ARE >2,000 MG/KG. DIRECT CONTACT WITH THIS MATERIAL MAY CAUSE MINIMAL EYE AND SKIN IRRITATION.

ACUTE ORAL EFFECTS: THE ESTIMATED ACUTE ORAL (RAT) VALUES FOR THIS MATERIAL ARE >5,000 MG/KG,. DIRECT CONTACT WITH THIS MATERIAL MAY CAUSE MINIMAL EYE AND SKIN IRRITATION.

ACUTE INHALATION EFFECTS: THE ESTIMATED 4-HOUR INHALATION (RAT) LD50 VALUES FOR THIS MATERIAL ARE 5 MG/L.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: DISPOSAL MUST BE MADE IN ACCORDANCE WITH APPLICABLE GOVERNMENTAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION: PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S. // HAZARD CLASS: CLASS 9 (PGIII) // UN/NA: UN 3082 // D.O.T. HAZARDOUS SUBSTANCE (REPORTABLE QUANTITY OF PRODUCT) DIBUTYL PHTHALATE(10.5 LBS. 95%). // D.O.T. LABEL REQUIRED: MISCELLANEOUS.

SECTION 15: REGULATORY INFORMATION

RCRA HAZARDOUS WASTE TEXT (NOT UNLIMITED - 4 CHAR): U069

SECTION 15 - OTHER INFORMATION: TSCA INFORMATION: THIS PRODUCT IS MANUFACTURED IN COMPLIANCE WITH ALL PROVISIONS OF THE TOXIC SUBSTANCES CONTROL ACT, 15 U.S.C. // ENVIRONMENTAL INFORMATION: THE FOLLOWING COMPONENTS ARE DEFINED AS TOXIC CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372 OR SUBJECT TO OTHER EPA REGULATIONS: DIBUTYL PHTHALATE, CAS# 84-74-2: 85-95%; TPQ: NONE; RQ: 10 LBS; RCRA: U069; TSCA: YES. PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA.