

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - C6241

Associated Grainger Items
44A196

H
HAWS(R)

INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

1455 KLEPPE LANE
SPARKS, NV 89431-6467
(775) 359-4712

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NO. 2080222(12)

MODEL 9082
STERILE ANTIMICROBIAL PRESERVATIVE
CONCENTRATE EYEWASH ADDITIVE

TO ORDER MORE EYE WASH STATION PRESERVATIVE CONCENTRATE:
CONTACT YOUR NEAREST HAWS REPRESENTATIVE OR CALL HAWS CUSTOMER SERVICE AT
1-888-640-4297, SPARKS, NEVADA.

WARNING:

1. MUST BE DILUTED WITH POTABLE WATER. DO NOT PUT DIRECTLY INTO EYES. DO NOT USE IF TAMPER EVIDENT TWIST-OFF TOP IS BROKEN OR MISSING.
2. CONTACT WITH THE EYES AND MUCOSA CAN CAUSE IRRITATION, REDNESS AND PAIN.
3. SEE ORIGINAL OF THIS MSDS AND EMERGENCY CONTACT INFORMATION.

MIXING INSTRUCTIONS:
FOLLOW INSTRUCTIONS ON THE SIDE OF EACH BOTTLE. UNITS WITH CAPACITIES OF 5-20 GALLONS (18.93 - 75.7L) SHOULD BE MIXED WITH THE FULL 5 OUNCES (237 ML) CONTAINED IN EACH BOTTLE. IT IS RECOMMENDED THAT THE TENTATIVE POTABLE WATER BE REPLACED EVERY 90 DAYS. THIS PROCEDURE MAY BE FOLLOWED EVEN WITH WEEKLY 15-SECOND TESTINGS. (WATER CONSUMED IN TESTING, SHOULD BE REPLACED WITH CLEAN POTABLE WATER).

STORAGE INSTRUCTIONS:
PRODUCT SHOULD BE STORED BETWEEN 36-104 DEG. F (2-40 DEG. C) AND USED BETWEEN 59-86 DEG. F (15-30 DEG. C). USE BEFORE EXPIRATION DATE.

SUPPLIER:
HAWS CORPORATION
1455 KLEPPE LANE
SPARKS, NV 89431
USA

EMERGENCY TELEPHONE:

INFORMATION:
TELEPHONE:
1-888-640-4297 OR 1-775-359-4712 MONDAY - THURSDAY 6AM-4:30PM PST
6AM-4:00PM PST FRIDAY

EMERGENCY:
IF SWALLOWED GET MEDICAL HELP OR CALL YOUR POISON CONTROL CENTER RIGHT AWAY

N.D.: NO DATA AVAILABLE
N.A.: NOT APPLICABLE

-----SECTION 1 - PRODUCT IDENTIFICATION -----

COMMERCIAL NAME:
MODEL 9082 EYEWASH ADDITIVE, STERILE ANTIMICROBIAL PRESERVATIVE
CHEMICAL NAME: 1,6-DI-(N-P-CHLOROPHENYL DIGUANIDE) HEXANE DIGLUCONATE
CHEMICAL FORMULA: (C₂₂H₃₀Cl₂N₁₀x 2C₆H₁₂O₇)
CHEMICAL FAMILY: ORGANIC, CATIONIC.
CODE: C249

PRODUCT USE:
EYEWASH FLUSHING CONCENTRATE FOR PORTABLE 5GAL. TO 20GAL. (18.9L - 75.7L)
EMERGENCY EYEWASH STATIONS. MUST BE DILUTED WITH POTABLE WATER. DO NOT PUT DIRECTLY INTO EYES. DO NOT USE IF TAMPER EVIDENT TWIST-OFF TOP IS BROKEN OR MISSING

WHMIS CLASSIFICATION: N.A.

TDG CLASSIFICATION: N.A.

-----SECTION 2 - INGREDIENTS -----

CONTROLLED INGREDIENTS (OVER 1% (W/W)):
CHLORHEXIDINE GLUCONATE BP CAS: 18472-51-0 1-5% LD50 (MOUSE-ORAL):
1800 MG/KG
PROPYLENE GLYCOL USP CAS: 57-55-6 10-20%

-----SECTION 3 - PHYSICAL CHARACTERISTICS -----

PHYSICAL STATE, ODOR & APPEARANCE: CLEAR, ODOURLESS, WATER WHITE LIQUID
THRESHOLD ODOUR: N.A.

BOILING POINT: >100 DEG. C

PH AT 25 DEG. C: 5.0 - 7.0

SPECIFIC GRAVITY AT 20 DEG. C. (WATER=1): .99

VAPOUR PRESSURE MMHg AT 20 DEG. C: N.A.

VAPOUR DENSITY (AIR = 1): <1

WATER SOLUBILITY: GOOD

FREEZING POINT: N.A.

EVAPORATION RATE (WATER=1): APPROXIMATELY 1

PARTITION COEFFICIENT (WATER/OIL): N.D. MISCIBLE WITH WATER.

FLASH POINT: NON-FLAMMABLE

AUTOIGNITION TEMPERATURE: N.A.

-----SECTION 4 - REACTIVITY -----

STABILITY: CHEMICALLY STABLE UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID: AVOID EXPOSURE TO HEAT.

INCOMPATIBILITIES: AVOID STRONG OXIDIZING MATERIALS

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE

HAZARDOUS POLYMERISATION: NONE.

-----SECTION 5 - FIRE AND EXPLOSION HAZARD -----

FLAMMABILITY: NON-FLAMMABLE LIQUIDS.

SPECIAL FIRE HAZARDS: N.A.

HAZARDOUS COMBUSTION PRODUCTS:
CARBON MONOXIDE AND CARBON DIOXIDE CAN BE PRODUCED.

FIRE FIGHTING MEDIA:
USE ALCOHOL-RESISTANT FOAM, CARBON DIOXIDE OR CHEMICAL POWDERS FOR SMALL FIRES.

FOR LARGER AMOUNTS (MULTIPLE PACKAGES / PALLETS) OF PRODUCT:
SINCE TOXIC, CORROSIVE OR FLAMMABLE VAPOURS MIGHT BE EVOLVED FROM FIRES INVOLVING THIS PRODUCT AND ASSOCIATED PACKAGING, SELF CONTAINED BREATHING 44A196

-----SECTION 6 - TOXICOLOGICAL PROPERTIES -----

EFFECTS OF ACUTE EXPOSURE:

EYES:
CONTACTS WITH THE EYES AND MUCOSA CAN CAUSE IRRITATION, REDNESS AND PAIN.

SKIN:
IN NORMAL USE, DOES NOT CAUSE IRRITATION. HOWEVER, SENSITIVE INDIVIDUALS MAY DEVELOP MINOR SKIN IRRITATION.

INHALATION: N.A.

INGESTION:
CHLORHEXIDINE GLUCONATE HAS A RELATIVELY LOW LD50 VALUE SINCE IT IS POORLY ABSORBED BY THE INTESTINE. IT IS RATHER ELIMINATED IN THE FECES. THE ISOPROPYL ALCOHOL IS HOWEVER MORE HARMFUL IF INGESTED.

IT MAY:
IRRITATE THE GASTRO-INTESTINAL TRACK, AFFECT THE NERVOUS SYSTEM, LIVER AND KIDNEYS. MAY CAUSE NAUSEA, HEADACHE AND ALTER VISION.

EFFECTS OF CHRONIC EXPOSURE:
PROLONGED AND REPEATED EXPOSURE BY APPLICATION ON THE SKIN MAY CAUSE A CHRONIC SKIN IRRITATION.

-----SECTION 7 - PREVENTATIVE MEASURES -----

AS NEEDED, APPLY THE APPROPRIATE MEASURES ACCORDING TO THE AMPLITUDE OF EXPOSURE:

SKIN: USE GLOVES WHEN HANDLING,

EYES: AVOID ANY CONTACT WITH THE EYES.

RESPIRATORY TRACT: N.A.

OTHER PROTECTIVE EQUIPMENTS: N.A.

VENTILATION: N.A.

IN CASE OF SPILL OR LEAK:
ABSORB SPILLS WITH A NEUTRAL ABSORBING MATERIAL. RINSE WITH WATER.

WASTE DISPOSAL:
AS DICTATED BY THE FEDERAL, PROVINCIAL AND MUNICIPAL, RULES.

HANDLING PROCEDURES AND STORAGE REQUIREMENTS:
USE WITH CARE. KEEP BOTTLE TIGHTLY CLOSED AND STORE AT ROOM TEMPERATURE. AVOID EXPOSURE TO TEMPERATURES ABOVE 49 DEG. C.

-----SECTION 8 - FIRST AID MEASURES -----

EYES:

...BEETLE VOLUMES OF WATER CONTINUOUSLY FOR 20
MINUTES. CONSULT A PHYSICIAN.

SKIN:
IN CASE OF ACCIDENTAL CONTACT WITH SKIN, WASH WITH SOAP AND RINSE WITH
WATER. IF IRRITATION APPEARS, IT WILL PROBABLY DISAPPEAR IF NOT, CEASE
USING AND CONSULT A PHYSICIAN.

INHALATION: N.A.

INGESTION:
DO NOT INDUCE VOMITING. GIVE WATER IN CASE OF NON-INDUCED VOMITING. LEAN
VICTIM FORWARD TO PREVENT ANY RISK OF ASPHYXIA. NEVER GIVE ANY LIQUID TO
AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

-----SECTION 9 - OTHER INFORMATION -----

REVISED IN: 16 AUG 12 JANUARY 3, 2012

REPLACE VERSION OF: SEPTEMBER 1, 1998, MARCH 10, 2009, FEBRUARY 10, 2010

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