

Common Name: CONDOR LENS CLEANING STATIONS & TOWELETTES
Manufacturer: VISIONAID
MSDS Revision Date: 1/1/2013
MSDS Format: No Format Specified

Grainger Item Number(s): 44X057, 44X058, 44X059

Manufacturer Model Number(s):

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MATERIAL SAFETY DATA SHEET

SECTION 1: NAME OF CHEMICAL & SUPPLIER CONTACT DETAILS



IDENTITY: CONDOR LENS CLEANING STATIONS & TOWELETTES

COMPANY PRODUCT CODE: 44X057, 44X058, 44X059

SIZES: 473 ML (16FL. OZ.), 103 ML (3.5 FL. OZ.)

PRODUCT USE: LENS CLEANER

SUPPLIER:
VISIONAID, INC.
11 KENDRICK RD
WAREHAM, MA 02571

INFORMATION PHONE: 1-800-426-1881 (BUSINESS HOURS)

FAX: 1-508-295-3521

EMERGENCY PHONE: 1-800-268-9017 (POISON INFORMATION CENTER)

DATE PREPARED: JANUARY 15, 1997

PREPARED BY: VISIONAID, INC.

REVISED DATE: JAN 2013

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS



COMPONENTS (CHEMICAL NAMES & COMMON NAMES) (HAZARDOUS COMPONENTS 1% OR GREATER, CARCINOGENS 0.1% OR GREATER)	CAS #'S	%	OSHA	ACGIH	OTHER
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ISOPROPANOL	67-63-0	10			
SODIUM DODECYL SULPHATE	151-21-3	2.5			
HYDROGEN HYDROXIDE	7732-18-5	87.5			
PYLAKLOR TURQUOISE BLUE S-400	N/A MIXTURE	.0036			

SECTION 3: HAZARDS IDENTIFICATION



EYE CONTACT:

FLUSH WITH PLENTY OF WATER FOR AT LEAST FIFTEEN MINUTES. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN

REPEATED EXPOSURE SEVERITY, TARGET ORGANS & TYPE OF EFFECT:

CORNEAL THICKENING LEADING TO SCARRING FROM REPEATED EYE CONTACT.

SKIN CONTACT:

MAY CAUSE MILD IRRITATIONS, DRYING OUT OF SKIN. WASH THOROUGHLY WITH SOAP AND WATER.

INHALATION: MOVE TO FRESH AIR. IF DIZZINESS PERSISTS, CONSULT PHYSICIAN.

INGESTION:

MAY CAUSE STOMACH DISCOMFORT IF INGESTED. INDUCE VOMITING, DRINK 2 GLASSES OF WATER. SEEK MEDICAL ADVICE.

SECTION 4: FIRST AID MEASURES



INHALATION:

SINGLE EXPOSURE SEVERITY, TARGET ORGANS & TYPE OF EFFECT:

HIGH LEVELS MAY CAUSE HEADACHE, NAUSEA, AND DIZZINESS. NO LONG-TERM EFFECTS EXPECTED.

INGESTION:

SINGLE EXPOSURE SEVERITY, TARGET ORGANS & TYPE OF EFFECT:

MILDLY TOXIC BY INGESTION. MAY CAUSE NAUSEA, HEADACHE AND VOMITING. NO LONG-TERM EFFECTS EXPECTED.

SKIN ABSORPTION:

SINGLE EXPOSURE SEVERITY, TARGET ORGANS & TYPE OF EFFECT:
MAY CAUSE MILD IRRITATION AND DRYNESS TO SKIN

SECTION 5: FIRE FIGHTING MEASURES



FLAMMABILITY CLASSIFICATION (29 CFR 1910.1200) COMBUSTIBLE LIQUID.

FLASH POINT AND METHOD: 82° C (180 DEG. F)

FLAMMABLE LIMITS IN AIR: 2.5% - 12.0% (ISOPROPANOL)

AUTO FLAMMABILITY AND AUTO-IGNITION TEMPERATURE:
456 DEG. C (825 DEG. F) (ISOPROPANOL)

SECTION 6: ACCIDENTAL RELEASE MEASURES



CONTAINMENT TECHNIQUE: PREVENT FROM ENTERING WATERWAYS AND STORM SEWERS.

CLEAN-UP TECHNIQUE:

CONTAIN SPILL. COVER SPILL WITH INERT ABSORBENT (ABSORBALL, VERMICULATE).
USING NON-SPARKING TOOLS, SHOVEL OR SWEEP UP INTO A CLEAN CONTAINER. REMOVE
FROM AREA. FLUSH SPILL AREA WITH WATER.

EVACUATION PROCEDURES: FOLLOW NORMAL EMERGENCY RESPONSE PLAN (ERP)

SECTION 7: HANDLING AND STORAGE



HANDLING PRACTICES:

USE GROUNDING WIRES IF TRANSFERRING LARGE QUANTITIES. KEEP AWAY FOR
OXIDIZERS, HEAT AND OTHER IGNITION SOURCES. DO NOT ALLOW TO FREEZE.

CONDITIONS FOR STORAGE:

KEEP AWAY FROM OXIDIZERS, HEAT AND OTHER IGNITION SOURCES. DO NOT STORE IN
DIRECT SUNLIGHT. STORE IN COOL, DRY WELL-VENTILATED AREA. DO NOT ALLOW TO
FREEZE.

VENTILATION REQUIREMENTS FOR STORAGE: NONE REQUIRED

STORAGE TEMPERATURE: BELOW 40 DEG. C (104 DEG. F)

STORAGE HUMIDITY RANGE: NOT APPLICABLE

QUANTITY LIMITS FOR SAFE STORAGE: NOT APPLICABLE

SPECIAL MATERIALS TO BE USED FOR PACKAGING OR CONTAINERS: NOT APPLICABLE

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



RESPIRATORY PROTECTION (SPECIFY TYPE): NONE

HYGIENE RECOMMENDATIONS TO PREVENT CONTINUED EXPOSURE:
USE NORMAL GOOD INDUSTRIAL HYGIENE PRACTICES

PROTECTION GLOVES: NOT REQUIRED FOR NORMAL USE

EYE PROTECTION: NOT REQUIRED FOR NORMAL USE

VENTILATION TO BE USED: N/A

LOCAL EXHAUST: N/A

MECHANICAL (GENERAL): N/A

SPECIAL: N/A

OTHER: N/A

OTHER PROTECTIVE EQUIPMENT: NOT REQUIRED

HYGIENIC WORK PRACTICES: ALWAYS READ THE LABEL BEFORE USE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: LIQUID

SPECIFIC GRAVITY (H₂O=1) 1.00

PH FACTOR: N/A

FREEZING POINT: -6 DEG. C (21 DEG. F)

BOILING POINT: 93 DEG. C (200 DEG. F)

MELTING POINT: -6 DEG. C (21 DEG. F)

VAPOR PRESSURE: 20 MMHg AT 20 DEG. C (68 DEG. F)

EVAPORATION RATE: 0.99

VAPOR DENSITY: 1

WATER REACTIVE: NONE

SOLUBILITY IN WATER: 100%

SPECIFIC GRAVITY (RELATIVE DENSITY): 98

PERCENT VOLATILE: 10%

APPEARANCE AND ODOR: CLEAR BLUE SOLUTION. SLIGHT ALCOHOLIC ODOR

SECTION 10: STABILITY AND REACTIVITY



STABILITY:

UNSTABLE: NO

STABLE: YES

CONDITIONS TO AVOID: HIGH TEMPERATURES, FLAME AND OTHER IGNITION SOURCES

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDES OF CARBON

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON (COX)

SIGNIFICANCE OF CHANGE IN PHYSICAL APPEARANCE:

UNDER SEVERELY COLD TEMPERATURES PRODUCT MAY BEGIN TO TURN CLOUDY WHICH MAY DEGRADE ITS FUNCTIONALITY.

CONDITIONS OF REACTIVITY: DO NOT HEAT ABOVE 80 DEG. C (176 DEG. F)

SECTION 11: TOXICOLOGICAL INFORMATION



EYES: IF SPLASHED IN EYES MAY CAUSE SLIGHT IRRITATION

SKIN: PROLONGED EXPOSURE MAY CAUSE MILD IRRITATIONS, DRYING OUT SKIN

INHALATION: IRRITANT - NO LONG TERM EFFECTS EXPECTED

INGESTION:

IRRITANT - MILDLY TOXIC BY INGESTION, MAY CAUSE NAUSEA, HEADACHE & VOMITING

SECTION 12: ECOLOGICAL INFORMATION



ECOTOXICITY:

ACUTE AND LONG TERM TOXICITY TO FISH AND INVERTEBRATES:

SOLUTIONS OF ALCOHOLS. ARE TOXIC TO AQUATIC LIFE AT MODERATE TO LOW CONCENTRATIONS. NO LONG-TERM ECOLOGICAL EFFECTS ARE LIKELY.

TOXICITY TO AQUATIC AND TERRESTRIAL PLANTS:

CONCENTRATED SOLUTIONS OF ALCOHOLS AND SURFACTANTS MAY CAUSE DAMAGE TO AQUATIC AND TERRESTRIAL PLANTS.

ACUTE AND DIETARY TOXICITY TO BIRDS: NOT EXPECTED TO BE TOXIC.

TOXICITY TO BENEFICIAL MICROORGANISMS:

CONCENTRATED SOLUTIONS OF ALCOHOLS AND SURFACTANTS HAVE ANTIMICROBIAL ACTIVITY.

ENVIRONMENTAL FATE:

PERSISTENCE AND DEGRADATION:

MODERATELY PERSISTENT BUT IS BIODEGRADABLE OVER TIME.

BIOACCUMULATION/BIOCONCENTRATION: WILL NOT BIOACCUMULATE

SOIL MOBILITY: SIMILAR TO WATER.

SECTION 13: DISPOSAL CONSIDERATIONS



PLEASE NOTE:

THE ADVICE IN THIS SECTION IS GIVEN IN ACCORDANCE WITH THE LAWS THAT WERE IN EFFECT AT THE TIME. LAWS ARE TRANSIENT AND MAY CHANGE OR BE REINTERPRETED. STATE/PROVINCIAL OR LOCAL REGULATIONS ARE COMPLEX AND MAY DIFFER FROM FEDERAL REGULATIONS. THIS INFORMATION APPLIES TO THE MATERIAL AS MANUFACTURED: PROCESSING, USE OR CONTAMINATION MAY MAKE THE INFORMATION INAPPROPRIATE, INACCURATE OR INCOMPLETE. THESE REGULATIONS MAY ALSO APPLY TO EMPTY CONTAINERS, LINERS, AND RINSATE. REMEMBER THAT THE RESPONSIBILITY FOR PROPER WASTE DISPOSAL LIES WITH THE OWNER OF THE WASTE. SEE SECTION 15 REGULATORY INFORMATION FOR ADDITIONAL REGULATIONS.

CLASSIFICATION UNDER APPLICABLE LAWS:

RCRA: NOT LISTED

IDENTIFICATION: NOT LISTED

WASTE DISPOSAL METHOD:

INCINERATE IN AN APPROVED INCINERATOR, OR LANDFILL. CONSULT LOCAL

REGULATIONS

DISPOSAL OF PACKAGING: NO RESTRICTIONS.

SAFE HANDLING OF RESIDUES: NOT REQUIRED

CAN PACKAGING BE INCINERATED: YES IN AN APPROVED INCINERATOR

CAN PACKAGING BE RECYCLED: YES TRIPLE RINSED CONTAINERS MAY BE RECYCLED

CAN PACKAGING BE LANDFILLED: YES

SECTION 14: TRANSPORTATION INFORMATION



SPECIAL SHIPPING INSTRUCTIONS AND PRECAUTIONS - WITHIN PREMISES:
NOT REGULATED

SPECIAL SHIPPING INSTRUCTIONS AND PRECAUTIONS - OFF PREMISES: NOT REGULATED

DOT CLASSIFICATION/DESCRIPTION: NOT REGULATED

TDG CLASSIFICATION /DESCRIPTION: NOT REGULATED

CLASSIFICATION/DESCRIPTION UNDER INTERNATIONAL TRANSPORTATION REGULATIONS:
NOT REGULATED

SECTION 15: REGULATORY INFORMATION



US FEDERAL REGULATIONS:

OSHA:

THIS PRODUCT IS CLASSIFIED AS AN EYE AND SKIN IRRITANT UNDER OSHA STANDARD
CLASSIFICATION SYSTEM.

TSCA (TOXIC SUBSTANCES CONTROL ACT):

INGREDIENTS OF THIS PRODUCT ARE ON THE US TSCA EXPORT NOTIFICATION:
ISOPROPANOL EXPORT NOTIFICATION REQUIRED

FIFRA (FEDERAL INSECTICIDE FUNGICIDE, AND RODENTICIDE ACT): NOT APPLICABLE

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION, AND LIABILITY
ACT): NOT LISTED

EPCRA (SARA TITLE III [SUPERFUND AMENDMENTS AND REAUTHORIZATION]):
NOT LISTED

CAA (CLEAN AIR ACT): NOT LISTED

CWA (CLEAN WATER ACT): NOT LISTED

FDA/USDA (FOOD AND DRUG ACT): NOT APPLICABLE

NFPA (NATIONAL FIRE PROTECTION ASSOCIATION):

NFPA CLASSIFICATION:

HEALTH 1 (SLIGHTLY HAZARDOUS)

FIRE 1 (SLIGHTLY FLAMMABLE)

REACTIVITY 0 (STABLE)

CANADIAN REGULATIONS:

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

WHMIS CLASS B3 - COMBUSTIBLE LIQUID

WHMIS CLASS D2B - TOXIC: EYE/SKIN IRRITANT.

CEPA (CANADIAN ENVIRONMENTAL PROTECTION ACT)/ DSL (DOMESTIC SUBSTANCES LIST):

ALL INGREDIENTS OF THIS PRODUCT ARE ON THE CANADIAN DSL AS REQUIRED BY CEPA

INTERNATIONAL REGULATIONS:

EUROPE:

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS)

COUNCIL DIRECTIVE 67/548/EEC OF JUNE 1967 AS AMENDED BY DIRECTIVE

79/831/EEC

UNITED KINGDOM:

HEALTH AND SAFETY EXECUTIVE (HSE) OCCUPATIONAL EXPOSURE STANDARDS (OESS)

1992

TIME WEIGHTED AVERAGE: 400 PPM TWA; 980 MG/M3 TWA

SHORT TIME EXPOSURE LIMIT: 500 PPM STEL; 1225 MG/M3 STEL

SKIN ABSORPTION/SENSITIZATION: CAN BE ABSORBED THROUGH THE SKIN

LISTED IN UNITED KINGDOM OESS: [PROPAN-2-OL]

JAPAN: CHEMICAL SUBSTANCE CONTROL LAW (MITI)

AUSTRALIA:

THIS INFORMATION APPLIES TO ISOPROPANOL ONLY:

NATIONAL OCCUPATIONAL HEALTH AND SAFETY COMMISSION (NOHSC) EXPOSURE

STANDARDS FOR ATMOSPHERIC CONTAMINANTS IN THE OCCUPATIONAL

ENVIRONMENTAL-1991

TIME WEIGHTED AVERAGE/PEAK LIMITATION: 400 PPM TWA; 983 MG/M3 TWA

SHORT TIME EXPOSURE LIMIT: 500 PPM STEL; 1230 MG/M3 STEL

EXPOSURE STANDARD UNDER REVIEW: EXPOSURE LIMITS UNDER REVIEW.

GERMANY:

THIS INFORMATION APPLIES TO ISOPROPANOL ONLY.

DUETSCHES FORSCHUNGSGEMEINSCHAFT (DFG) MAXIMUM CONCENTRATIONS AT THE

WORKPLACE (MAK) AND BIOLOGICAL TOLERANCE VALUES FOR WORKING MATERIALS

(BAT) 1993

MAK VALUE: 400 PPM MAK; 980 MG/M3 MAK

PEAK LIMITATION:

2X NORMAL MAK (30 MIN. AVERAGE VALUE); DON'T EXCEED 4 TIMES DURING SHIFT

EMBRYOTOXICITY/FETOTOXICITY: CLASSIFICATION NOT YET POSSIBLE.

ISRAEL:

THIS INFORMATION APPLIES TO ISOPROPANOL ONLY:

OCCUPATIONAL EXPOSURE LIMITS FOR CHEMICAL SUBSTANCES 1990

TIME WEIGHTED AVERAGE: 400 PPM TWA; 983 MG/M3 TWA

SHORT TIME EXPOSURE LIMIT: 500 PPM STEL; 1230 MG/M3 STEL

ACTION LEVEL: 200 PPM AL; 491.5 MG/M3 AL

MEXICO:

THIS INFORMATION APPLIES TO ISOPROPANOL ONLY:
SECRETARIAT OF LABOUR AND SOCIAL WELFARE INSTRUCTION NO 10 PERMISSIBLE
CONCENTRATIONS 1992

TIME WEIGHTED AVERAGE: 400 PPM TWA; 980 MG/M3 TWA {NEW}
SHORT TIME EXPOSURE LIMIT: 500 PPM STEL; 1225 MG/M3 STEL {NEW}
SKIN DESIGNATION: SKIN-POTENTIAL FOR CUTANEOUS ABSORPTION {NEW}

OTHER INTERNATIONAL REGULATIONS: NOT AVAILABLE

SECTION 16: OTHER INFORMATION



REVISIONS (GIVE DATE AND SPECIFY CHANGES): NOT APPLICABLE - FIRST RELEASE

HAZARD RATINGS:

HMS CLASSIFICATION:

HEALTH	1 (SLIGHTLY HAZARDOUS)
FIRE	1 (SLIGHTLY FLAMMABLE)
REACTIVITY	0 (STABLE)
PERSONAL PROTECTION	B

TRAINING REQUIREMENTS:

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM TRAINING IS REQUIRED FOR HANDLING AND USING THIS PRODUCT IN CANADIAN WORKPLACES. US OSHA REQUIREMENTS FOR HANDLING CHEMICAL SUBSTANCES MUST BE IN PLACE FOR HANDLING AND USING THIS PRODUCT IN THE UNITED STATES.

RECOMMENDED USES AND RESTRICTIONS:

CLEANING OF CLEAR SURFACES. CHECK FOR COMPATIBILITY WITH MATERIAL TO BE CLEANED PRIOR TO USE.

ADDITIONAL INFORMATION: KEEP OUT OF REACH OF CHILDREN.

DISCLAIMER:

THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, REPRESENTATION, OR LICENSE OF ANY KIND, EXCEPT THAT IT IS ACCURATE TO THE BEST OF VISIONAID, INC.'S KNOWLEDGE, OR OBTAINED FROM SOURCES BELIEVED TO BE ACCURATE. VISIONAID, INC. DOES NOT ASSUME ANY LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THE SAME. CUSTOMERS ARE ENCOURAGED TO CONDUCT THEIR OWN TESTS AND INVESTIGATIONS. BEFORE USING THE PRODUCT, PLEASE READ AND UNDERSTAND THE LABEL AND MATERIAL SAFETY DATA SHEET.

REFERENCES:

1. THE REFERENCES RESPECTING THE CONTROL OF BIOLOGICAL AND CHEMICAL AGENTS MADE UNDER OCCUPATIONAL HEALTH AND SAFETY ACT, ONT. REG. 654/86.
2. INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, MONOGRAPHS EVALUATION FOR CARCINOGENIC RISK IN HUMANS.
3. TEXT ENTITLED "DANGEROUS PROPERTIES OF INDUSTRIAL CHEMICALS" BY SAX, N.I.
4. THE "DOCUMENTATION OF THE THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES" BY THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS.
5. THE MERK INDEX, AN ENCYCLOPEDIA OF CHEMICALS
6. THE CCINCO SYSTEM, CANADIAN CENTRE OF OCCUPATIONAL HEALTH AND SAFETY

6. THE CCINFO SYSTEM, CANADIAN CENTRE OF OCCUPATIONAL HEALTH AND SAFETY.
7. RTECS DATABASE BY THE US NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH
8. NEW JERSEY DEPARTMENT OF HEALTH HAZARDOUS SUBSTANCES FACT SHEET.
9. CANADIAN ENVIRONMENTAL PROTECTION ACT, NEW SUBSTANCES NOTIFICATION REGULATIONS-DOMESTIC SUBSTANCES LIST
10. ORIGINAL SUPPLIER MSDS.

OTHER RELATED MANUFACTURER'S BROCHURES: NOT AVAILABLE

KEY/LEGEND:

NOT AVAILABLE-MEANS THAT THE INFORMATION FOR THAT FIELD COULD NOT BE OBTAINED.

NOT APPLICABLE - MEANS THAT THE FIELD IN QUESTION DOES NOT PERTAIN TO THIS PARTICULAR PRODUCT DUE TO THE INHERENT NATURE OF THE PRODUCT.