

Safety Data Sheet
Sutherland Welles Ltd.®
8 Robin ST
Providence, RI 02908

SECTION 1 - PRODUCT IDENTIFICATION

MANUFACTURER: SUTHERLAND WELLES LTD® PRODUCT INFO CALL:1-800-322-1245

24 HR EMERGENCY RESPONSE USA/CANADA: CHEMTREC 1-800-424-9300

MANUFACTURER ADDRESS: 8 ROBIN ST, PROVIDENCE, RI 02908

TRADE NAME: OXIDIZER

CHEMICAL FAMILY: CHROMIC ACID, DIPOTASSIUM SALT, DICHRIMATE OF POTASH

FORMULA: K₂CR₂O₇

SECTION 2 - HAZARD IDENTIFICATION

POTENTIAL PHYSICAL / CHEMICAL EFFECTS

DANGER ! COMBUSTIBLE LIQUID, STRONG OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE A FIRE.

POTENTIAL HEALTH EFFECTS

MAY CAUSE AN ALLERGIC SKIN REACTION. MAY CAUSE SEVERE EYE IRRITATION AND POSSIBLE INJURY. REPEATED EXPOSURE MAY CAUSE LIVER AND KIDNEY DAMAGE. MAY CAUSE SEVERE SKIN IRRITATION AND POSSIBLE BURNS. CAUSES SEVERE DIGESTIVE AND RESPIRATORY BURNS. MAY CAUSE CANCER IN HUMANS.



GHS08 · SIGNAL WORD: DANGER

GHS06

GHS09: ENVIRONMENT

GHS03: STRONG OXIDIZING

HAZARD STATEMENT: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES.

H320 CAUSES EYE IRRITATION

P264 WASH THOROUGHLY AFTER HANDLING.

P280 WEAR PROTECTIVE GEAR. PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

P305+P351+P338 IF IN YES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES.REMOVE CONTACT LENSES, IF PRESENT, AND CONTINUE RINSING.

HMIS RANKING:

HEALTH:.....3

FIRE:1

REACTIVITY:. 1

HMIS CODE:

0= LEAST

1= SLIGHT

2= MODERATE

3= HIGH

4= EXTREME

NOTE: THIS MATERIAL SHOULD NOT BE USED FOR ANY OTHER PURPOSE THAN THE INTENDED USE IN SECTION 1 WITHOUT EXPERT ADVICE. HEALTH STUDIES HAVE SHOWN THAT CHEMICAL EXPOSURE MAY CAUSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON.

SECTION 3 – COMPOSITION INFORMATION

NAME:
POTASSIUM DICHRIMATE

% BY WGT:
<5%

CAS #:
7778-50-9

SECTION 4 – FIRST AID MEASURES

EYE CONTACT:

REMOVE CONTACT LENSES IMMEDIATELY. IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR IMMEDIATELY.

INHALATION:

MOVE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN SEE DOCTOR. IMMEDIATELY

SKIN CONTACT:

WASH WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING IMMEDIATELY. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

INGESTION:

CALL A DOCTOR IMMEDIATELY. DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-4 CUPFULS OF MILK OR WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

***NOTE TO PHYSICIAN:** TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: NOT APPLICABLE

EXTINGUISHING MEDIA: WATER SPRAY, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURE: NONE

SECTION 6 – ACCIDENTAL RELEASE (SPILL) MEASURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAKAGE:

SPILLS - WIPE UP WITH RAGS.

WASTE DISPOSAL METHOD: LANDFILL OR INCINERATE IN ACCORDANCE WITH ALL LOCAL STATE AND FEDERAL REGULATIONS.

EYE CONTACT: SEVERELY IRRITATING TO THE EYES. FLUSH WITH WATER.

SKIN CONTACT: POSSIBLE BURNS, WASH WITH SOAP AND WATER.

INHALATION: CONCENTRATIONS MAY IRRITATE RESPIRATORY AIRWAYS, NOSE AND THROAT.

INGESTION: DO NOT INDUCE VOMITING! SEEK MEDICAL ATTENTION.

NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

SECTION 7 - HANDLING AND STORAGE

STABILITY: STABLE UNDER MOST CONDITIONS.

CONDITIONS TO AVOID: EXCESSIVE HEAT. KEEP AWAY FROM SOURCES OF IGNITION

INCOMPATIBILITY (MATERIALS TO AVOID): DO NOT STORE NEAR COMBUSTIBLE MATERIALS

HAZARDOUS DECOMPOSITION PRODUCTS: NO DATA AVAILABLE

HAZARDOUS POLYMERIZATION: HAS NOT BEEN REPORTED.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN A TIGHTLY CLOSED CONTAINER. STORE IN A COOL, DRY, WELL VENTILATED SPACE. TO BE HANDLED WITH GOOD INDUSTRIAL PRACTICE.

OTHER PRECAUTIONS: NONE.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION



RESPIRATORY PROTECTION: USE AIR SUPPLIED MASKS IN CLOSED AND CONFINED SPACES. PER OSHA RESPIRATOR REGULATIONS FOUND IN 29 1910.134CFR ALWAYS USE A NIOSH- APPROVED RESPIRATOR WHEN NECESSARY.

VENTILATION:

LOCAL EXHAUST: YES, IN ENCLOSED AREAS.

MECHANICAL: IN ENCLOSED AREAS

SPECIAL:

OTHER:



PROTECTIVE RUBBER OR PLASTIC GLOVES: YES



EYE PROTECTION SPLASH PROOF GLASSES OR GOGGLES: YES

OTHER PROTECTIVE EQUIPMENT AS REQUIRED BY YOUR COMPANY: NONE.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 932°F

ODOR: ODORLESS

APPEARANCE: ORANGE RED LIQUID

SPECIFIC GRAVITY: 2.676 IN POWDER FORM

FREEZING OR MELTING POINT: 748°F

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.

CONDITIONS TO AVOID: INCOMPATIBLE MATERIALS, COMBUSTIBLE MATERIALS, REDUCING AGENTS, FLAMMABLE MATERIALS. EXCESSIVE HEAT

INCOMPATIBILITY (MATERIALS TO AVOID): REACTS EXPLOSIVELY WITH HYDRAZINE AND HYDROXYLAMINE, ACID AND TNT/ TREAT SYMPTOMATICALLY AND SUPPORTIVELY. LOSIVELY REACTS WITH ACETIC ANHYDRIDE

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 7778-50-9: HX7680000

LD50|LC50: CAS# 7778-50-9: ORAL MOUSE LD50 =190 mg/kg.

CARCINOGENICITY: CHROMIC ACID, DIPOTASSIUM SALT

ACGIH: CERTAIN WATER INSOLUBLE, as Cr: AI-*CONFIRMED HUMANCARCINO*

CALIFORNIA: CARCINOGEN, as CHROMIUM (VI) COMPOUNDS

NTP: KNOWN CARCINOGEN

OSHA: SELECT CARCINOGEN

IARC: GROUP 3(LISTED AS CHROMIUM)

EPIDEMIOLOGY: INCREASED INCIDENCES OF RESPIRATORY CANCER HAS BEEN FOUND IN CHROMIUM(VI) WORKERS.

TERATOGENICITY: NO INFORMATION FOUND.

REPRODUCTIVE EFFECTS:NO INFORMATION FOUND.

NEUROTOXICITY: NO INFORMATION REPORTED.

SECTION 12 – ECOLOGICAL INFORMATION

THE INFORMATION GIVEN IS BASED ON DATA AVAILABLE FOR THE MATERIAL, THE COMPONENTS OF THE MATERIAL, AND SIMILAR MATERIALS.

ECOTOXICITY

THIS CHEMICAL HAS A HIGH POTENTIAL TO AFFECT SOME AQUATIC ORGANISMS AND SECONDARY WASTE TREATMENT MICROORGANISMS. IT IS EXPECTED TO HAVE A HIGH POTENTIAL TO AFFECT GERMINATION AND GROWTH OF SOME PLANTS.

ACUTE AQUATIC EFFECTS: 48- HOUR LC50; GOLDEN ORFE (MINNOW) 224ng/ 48 HOUR LC50: MOSQUITO FISH: 420mg/L 24-HOUR LC50; WATER FLEA: 1.4mg/L 24-HOUR EC50 (IMMOBILIZATION); WATER FLEA 0.89ng/L

PERSISTENCE

THIS MATERIAL HAS A MODERATE POTENTIAL TO BIOCONCENTRATE

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS BASED ON MATERIAL AS SUPPLIED. DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS; FEDERAL, STATE AND LOCAL GUIDELINES

DISPOSAL RECOMMENDATIONS

SUPERVISED INCINERATION AT VERY HIGH TEMPERATURES TO PREVENT FORMATION OF UNDESIRABLE COMBUSTION PRODUCTS.

REGULATORY DISPOSAL INFORMATION

RCRA INFORMATION: DISPOSAL OF UNUSED PRODUCT MAY BE SUBJECT TO RCRA REGULATIONS (40 CFR 261). DISPOSAL OF THE UNUSED PRODUCT MAY ALSO BE REGULATED DUE TO IGNITABILITY, CORROSIVITY, REACTIVITY OR TOXICITY AS DETERMINED BY THE TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP). POTENTIAL RCRA CHARACTERISTICS: **IGNITABILITY**

EMPTY CONTAINERS

EMPTY CONTAINERS SHOULD BE TAKEN FOR RECYCLING, RECOVERY, OR DISPOSAL THROUGH SUITABLY QUALIFIED OR LICENSED CONTRACTORS AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS.

SECTION 14 – TRANSPORT INFORMATION

U.S. FEDERAL REGULATIONS: TSCA 8(a) CDR EXEMPT/PARTIAL EXEMPTION. THIS MATERIAL IS LISTED OR EXEMPTED

LAND (DOT) NOT REGULATED

PROPER SHIPPING NAME: OXIDIZING SUBSTANCES, LIQUID, N.O.S.(POTASSIUM DICHROMATE)

HAZARD CLASS & DIVISION: 5.1

UN NUMBER : UN1479

PACKING GROUP : III

LAND (TDG)- NOT REGULATED

PROPER SHIPPING NAME: OXIDIZING SUBSTANCES, LIQUID, N.O.S.(POTASSIUM DICHROMATE)

IMO: NO INFORMATION AVAILABLE

IATA – NO INFORMATION AVAILABLE

RID/ADR: NO INFORMATION AVAILABLE

CANADIAN TDG: NO INFORMATION AVAILABLE

SECTION 15 – REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: NONE OF THE CHEMICALS IN THIS PRODUCT ARE CONSIDERED HIGHLY HAZARDOUS BY OSHA

NATIONAL CHEMICAL INVENTORY LISTING: AICS, IECSC, DSL, EINECS, ENCS, KECI, PICCS, TSCA

EPCRA: THIS MATERIAL CONTAINS NO EXTREMELY HAZARDOUS SUBSTANCES.

SARA (311/312) REPORTABLE HAZARD CATEGORIES: FIRE

SARA (313) TOXIC RELEASE INVENTORY: THIS MATERIAL CONTAINS NO CHEMICALS SUBJECT TO THE SUPPLIER NOTIFICATION REQUIREMENTS OF THE SARA 313 TOXIC RELEASE PROGRAM.

THE FOLLOWING INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
CHROMIC ACID, DIPOTASSIUM SALT	7778-50-9	10,16,17,18,20

-REGULATORY LISTS SEARCHED-

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = FL RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = MN RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 =	20 = MA RTK

CODE KEY: CARC=CARCINOGEN; REPRO=REPRODUCTIVE

CLEAN AIR ACT:

THIS MATERIAL DOES NOT CONTAIN AND HAZARDOUS AIR POLLUTANTS.

THIS MATERIAL DOES NOT CONTAIN AND CLASS 1 OZONE DEPLETERS.

THIS MATERIAL DOESN'T CONTAIN ANY CLASS 2 OZONE DEPLETERS.

CLEAN WATER ACT:

CAS#7778-50-9 IS LISTED AS A HAZARDOUS SUBSTANCE UNDER CWA

NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS PRIORITY POLLUTANTS UNDER THE CWA.

NONE OF THE CHEMICALS IN THE PRODUCT ARE LISTED AS A TOXIC POLLUTANTS UNDER THE CWA

SECTION 16 – OTHER INFORMATION

THIS MATERIAL SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

REVISION CHANGES:

THE FORMAT AND ORDER OF THIS (MSDS) SHEET HAS BEEN CHANGED TO BE COMPLIANT WITH THE HAZARD COMMUNICATION STANDARD (HCS) REQUIREMENTS STARTING JUNE 1, 2015. INCLUDED IN THE FORMAT AND ORDERING CHANGES TO THIS (MSDS) SHEET ARE:

SECTION 12: THIS SECTION'S ENTIRETY WAS ADDED TO MEET JUNE 1, 2015 STANDARD REQUIREMENTS

SECTION 13: THIS SECTION'S ENTIRETY WAS ADDED TO MEET JUNE 1, 2015 STANDARD REQUIREMENTS

SECTION 14: THIS SECTION'S ENTIRETY WAS ADDED TO MEET JUNE 1, 2015 STANDARD REQUIREMENTS

SECTION 15: THIS SECTION'S ENTIRETY WAS ADDED TO MEET JUNE 1, 2015 STANDARD REQUIREMENTS

SECTION 2: POTENTIAL PHYSICAL / CHEMICAL EFFECTS HAVE BEEN MODIFIED

SECTION 2: POTENTIAL HEALTH EFFECTS HAVE BEEN MODIFIED

SECTION 4: FORMATTING FOR THIS SECTION HAS BEEN MODIFIED

REVISED: 04/29/2022