



Eco-Goldex O Series Reagent Safety Data Sheet

updated on Jan 08, 2020

SECTION I

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Eco-Goldex O series
PRODUCT TYPE	Gold extraction reagent
SUPPLIER NAME	Eco-goldex
SUPPLIER ADDRESS	2665 Rue Paulus, Saint-Laurent, Quebec, Canada, H4S 1E9
EMERGENCY NUMBER	+001-4388255288

SECTION II

INFORMATION OF INGREDIENTS THAT FORM THE COMPOUND

COMPONENTS	Formula	EC Number	CAS NUMBER	Weight % in Compound
Disodium Oxide	Na ₂ O	215-208-9	1313-59-3	20
Urea	CH ₄ N ₂ O	200-315-5	57-13-6	30
Tripotassium hexacyanoferrate	K ₃ Fe(CN) ₆ ·10H ₂ O	237-323-3	13746-66-2	20
Calcium Oxide	CaO	215-138-9	1305-78-8	20
Sodium Sulphate	Na ₂ SO ₄	231-820-9	7757-82-6	10

SECTION III

HEALTH HAZARDS OF EXPOSITION

DETAIL

INHALATION	Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by sneezing and coughing.
INGESTION	
EYE CONTACT	Weak corrosive to eyes. Eye contact can result in irritation. Inflammation of the eye is characterized by redness, watering, and itching. Check for and remove any contact lenses
SKIN CONTACT	Weak corrosive to skin
CARCINOGENICITY	No data
MUTAGENICITY	No data
TERATOGENICITY	No data
NEUROTOXICITY	No data
REPRODUCTIVE SYSTEM	No data
OTHER	This product is weak toxic and classified as ordinary chemical material.
TARGET ORGANS	No data

SECTION IV

FIRST AIDS

EYE CONTACT	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
SKIN CONTACT	In case of contact, flush skin with plenty of water for at least 15 minutes. Cold water may be used. Wash clothing before reuse. Get medical attention immediately. It is recommended that using gloves when



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	transport this reagent.
INHALACIÓN	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
INGESTIÓN	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waist band.
RECOMMENDED ANTIBIOTIC	No data
MEDICAL INFORMATION	Get medical attention immediately in case of intake.
SECCIÓN V	
FIRE FIGHTING MEASURES	
FLASH POINT	Not available.
FLAMMABLE LIMITS	Not flammable
EXTINGUISHING MEDIA	Fire fighting Sand bucket
SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT	No data
HAZARDOUS COMBUSTIÓN PRODUCTS	Ammonia (NH ₃).
SECCIÓN VI	
ACCIDENTAL RELEASE OR SPILL MEASURES	
ATENCIÓN OF SPILLS OR RELEASES	
Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.	
Large Spill: Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.	
SECCIÓN VII	
HANDLING AND STORAGE	
STORAGE TEMPERATURE	Normal temperature
STORAGE CONDITIONS	Keep container tightly closed. Keep container in a cool, well-ventilated area.
CONTAINERS HANDLING	Keep locked up. Keep container dry. Keep away from sources of water/acid. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material.
EXPOSITION EFFECTS TO THE SUN LIGHT, HEAT, HUMID ATMOSPHERES, ETC.	Avoid direct sunlight, keep container in a cool, well ventilated area.
SECCIÓN VIII	
EXPOSURE CONTROLS AND PERSONAL PROTECTION	
ENGINEERING CONTROLS	Depress dust lifting in storage area. Install ventilation fan in storage area.



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RESPIRATORY PROTECTION	Dust mask or respirator is recommended for long time exposure in this material.
EYE PROTECTION	Wear protection glasses or goggles when work in the environment.
SKIN PROTECTION	Wear gloves and long sleeves cover clothes when work on the materials.
EXPOSURE GUIDELINES (TLV, PEL, STEL)	No special respirator equipment required for short time exposure to this material. Long time exposure in this material requires dust respirator.
SECCIÓN IX	
PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE AND ODOR	Light grey color in solid granular or powder. Weak odor with ammonia odor.
SPECIFIC GRAVITY	1.28 (water = 1 at 17 °C)
SOLUBILITY IN WATER	Soluble in cold water
FUSIÓN POINT	No data
BOILING POINT	No data
PH	Alkaline in solution (pH>9.5)
PHYSICAL STATE TO 25°C AND 1 ATM.	Solid granular particle or powder.
SECCIÓN X	
STABILITY AND REACTIVITY	
STABILITY	Stable
INCOMPATIBILITY	Avoid contact with acid.
HAZARDOUS POLYMERIZATION	No data
HAZARDOUS DECOMPOSITION PRODUCTS	In water solution ammonium ion, melamine may exist,
SECCIÓN XI	
TOXICOLOGICAL INFORMATION	
DERMAL OR ORAL LETHAL DOSE (LD ₅₀)	LD50(Rat): 485 mg/kg
LETHAL CONCENTRATION DOSE (LC ₅₀)*	LC50 (Rainbow Trout: 793 ug/l)
SECCIÓN XII	
ECOLOGICAL INFORMATION	
Aquatox testing lab (Canada) test result indicate that eco-goldex water solution is weak toxic. LC50 (Rainbow trout: 793 ug/L, Daphnia magna: 1000 ug/l)	
SECCIÓN XIII	
DISPOSAL CONSIDERATIONS	
Waste solution can be treated with Calcium hypochlorite before disposal. No special treatment is required for washed tailing materials in tailing pond. Solution can be disposed as ordinary waste and of in accordance with federal, state and local environmental control regulations.	



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TRANSPORT INFORMATION
Product is classified as low toxic or practical non hazard material and not explosive. Product can be shipped/transported via marine vessel, rail road or air cargo. The substance is not subject to list of dangerous goods.
SECTION XV
REGULATORY INFORMATION
Product HS Code: 3824.90.99.90
SECTION XVI
OTHER INFORMATION (ISO-Ecology Test)
N/A

Prepared By: Eco-Goldex.
Email: john@eco-goldex.com
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Revision Summary This document has been updated to comply with the aligned the Workplace Hazardous Materials Information System (WHMIS) with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Information in this document is based on the Federal legislation – the amended *Hazardous Products Act* and the new *Hazardous Products Regulations* (HPR).



Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

I, John Guo, certified that all the information contained in the present document are true.

John Guo

President / Founder

Signed in my presence at St-Lazare, Qc.
on August 3rd, 2020

Me Jean-Pierre Boyer, notary



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