



Material Safety Data Sheet

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER	
Product name:	Sodium Perchlorate Monohydrate
Other Names:	
Chemical formula:	NaClO ₄ .H ₂ O
Recommended Use:	Used diagnostically as adjuncts to pertechnetate (99mTc) to enhance visualisation of the brain, Meckel's diverticulum, or the placenta by reducing unwanted images of other organs.
Company Identification: Address:	UCN CHEMICAL LIMITED Korkut Reis Neighborhood, Lale Street, Number: 13/7 Sihhiye, Cankaya Ankara Turkey
Customer Centre:	UCN CHEMICAL LIMITED
Section 2: HAZARD IDENTIFICATION	
Emergency Overview:	Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation
Potential Acute Health Effects	Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation
Routes of entry:	Inhalation, Ingestion
Target organs:	May affect kidneys if inhaled
Skin contact:	Irritant to skin
Eye contact:	Irritant to eyes
Inhalation:	Over-exposure by inhalation may cause respiratory irritation.
Ingestion:	Harmful if ingested



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Chronic Exposure:	Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.	
Explanation of carcinogenicity:	Not available	
Medical conditions aggravated by exposure:	Repeated or prolonged exposure is not known to aggravate medical condition	
Section 3: Composition Information		
INGREDIENT	CAS No.	CONTENT
NaClO ₄ .H ₂ O	7791-07-3	100 % Wright
Section 4: FIRST AID MEASURES		
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.	
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.	
Skin:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately	
Eye:	Check for and remove any contact lenses. 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	



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Advice to Doctor:	
Section 5: FIREFIGHTING MEASURES	
Flash Point:	Not applicable
Combustion Products:	Not applicable
Extinguishing Media:	Not applicable
Protective Equipment:	
HAZCHEM Code:	
Section 6: ACCIDENTAL RELEASE MEASURES	
Spills and Disposal:	Use appropriate tools to put the spilled solid in a convenient waste disposal container
Protective Clothing:	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves
Environmental:	Do not use metal tools or equipment. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed.
Section 7: HANDLING AND STORAGE	
Handling:	Keep away from heat. Keep away from sources of ignition. Keep away from combustible material.
Storage:	Keep container in a cool, well-ventilated area. Separate from acids, alkalis, reducing agents and combustibles. See NFPA 43A, Code for the Storage of Liquid and Solid Oxidizers. Do not store above 23°C (73.4°F)
Other Information:	



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Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	
Protective Equipment:	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.
Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit
Hygiene Precautions:	

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid
Odour:	Odorless
Specific Gravity:	2.02 (Water = 1)
Bulk Density:	
pH:	Not available
Solubility in Water:	Not available
Flash Point:	Not applicable
Melting Point:	130 C (266 F)
Other Information:	

Section 10: STABILITY AND REACTIVITY

Stability:	This chemical is stable
Hazardous Decomposition	Polymerization will not occur



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Products:	
Conditions to Avoid:	Incompatible materials, combustible materials.
Materials to Avoid:	Incompatible materials.

Section 11: TOXICOLOGICAL INFORMATION

ERMA Classification:	
Ingestion:	Not available
Inhalation:	Not available
Skin:	Not available
Eye:	Not available
Chronic Effects:	Not available
Other Information:	Not available

Section 12: ECOLOGICAL INFORMATION

ERMA Classification:	
Ecotoxicity:	Not available

Section 13: DISPOSAL INFORMATION

Product Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations
Container Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations

Section 14: TRANSPORT INFORMATION



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UN Number:	1502
Proper Shipping Name:	Sodium Perchlorate
DG Class:	
UN Packing Group:	UNNA 1502
Other Information:	
Section 15: REGULATORY INFORMATION	
Section 16: OTHER INFORMATION	
R9- Explosive when mixed with combustible material. R22- Harmful if swallowed. S13- Keep away from food, drink and animal feeding stuffs. S22- Do not breathes dust. S27- Take off immediately all contaminated clothing	