

## SAFETY DATA SHEET FOR CHEMICAL SUBSTANCES

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### SECTION I: GENERAL INFORMATION

1.- COMPANY NAME OF THE PARTY PREPARING THIS SAFETY DATA SHEET	HARRI BELTZA, S.A. DE C.V.		
2.- COMPANY ADDRESS	Av. Paseo de la Reforma 342, OF 1 P 26, Colonia Juárez, Delegación Cuauhtémoc, C.P. 06600 Ciudad de México		
3.- EMERGENCY CONTACT INFORMATION	SETIQ:	NA (Not applicable). Product not regulated as hazardous material for transportation.	
	Contact local emergency services.		

### SECTION II: PRODUCT GENERAL INFORMATION

1.- PRODUCT NAME	Coarse salt	6.- OTHER NAMES	Salt, sea salt, sodium chloride
2.- CHEMICAL NAME	Sodium chloride	7.- COLOR	White or translucent crystals
3.- CHEMICAL FORMULA	NaCl	8.- ODOR	Odorless
		9.- SICT INFORMATION	Not classified as hazardous material for land transportation
4.- CAS NUMBER	7647-14-5	10.- APPEARANCE	White or translucent crystals
5.- PHYSICAL STATE	Granular / crystalline solid		
11.- RECOMMENDED USE	Industrial-use raw material for chemical and industrial processes and other applications according to customer specification.		
12.- USE RESTRICTIONS	Avoid unevaluated uses or uses incompatible with the product technical specifications.		

### SECTION III: CHEMICAL SUBSTANCE IDENTIFICATION

COMPONENT	PERCENT BY WEIGHT	UN NUMBER	CAS NUMBER	NFPA RISK RATING			
				H	F	R	S
Sodium chloride	99.65% min.	NA	7647-14-5	1	0	0	NA
Calcium (Ca)	0.07% max.	NA	NA	NA	NA	NA	NA
Magnesium (Mg)	0.02% max.	NA	NA	NA	NA	NA	NA
Sulfates (SO4)	0.18% max.	NA	NA	NA	NA	NA	NA
Water-insoluble matter	0.03% max.	NA	NA	NA	NA	NA	NA

Important note: Coarse salt is composed mainly of sodium chloride. It has no assigned UN number because it is not classified as a hazardous material for transportation. The values for calcium, magnesium, sulfates and water-insoluble matter correspond to typical chemical analysis parameters of the product and do not necessarily represent independent hazardous substances.

### SECTION IV: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Crystalline / granular solid	FLAMMABILITY	Not flammable
COLOR	White to translucent	UPPER/LOWER FLAMMABILITY OR	Not applicable
ODOR	Odorless	EXPLOSIVE LIMIT	
PH	6.7 - 7.3 in aqueous solution	VAPOR PRESSURE	1 mmHg at elevated temperature
MELTING POINT	Approximately 800.7 °C	VAPOR DENSITY	Not available
BOILING POINT	Approximately 1,465 °C	RELATIVE DENSITY	2.16 g/cm3 approx.
FLASH POINT	Not applicable / not flammable	SOLUBILITY IN WATER	36.0 g / 100 g of water at 25 °C
EVAPORATION RATE	Not applicable	PARTITION COEFFICIENT	Not available
AUTOIGNITION TEMPERATURE	Not applicable	VISCOSITY	Not applicable for solid product
DECOMPOSITION TEMPERATURE	Not available	GENERAL APPEARANCE	Cubic, white, translucent or colorless crystals

### SECTION V: FIRE AND EXPLOSION HAZARDS

EXTINGUISHING MEDIA:	Use extinguishing media appropriate for the surrounding fire: water spray, foam, dry chemical powder or carbon dioxide.
PERSONAL PROTECTIVE EQUIPMENT FOR FIREFIGHTING:	Use full firefighter protective equipment and self-contained breathing apparatus when fire conditions require it.
SPECIAL FIREFIGHTING PROCEDURES AND PRECAUTIONS:	Coarse salt is not flammable or combustible. In case of nearby fire, cool sacks, containers or exposed areas with water spray if it can be done safely. Avoid inhalation of dust or fumes from the surrounding fire.
CONDITIONS THAT MAY LEAD TO ANOTHER SPECIAL HAZARD:	It does not present a fire or explosion hazard under normal conditions. Avoid contact with strong acids and incompatible substances. At extremely high temperatures, contact of molten salt with water may generate a violent reaction.

<b>COMBUSTION PRODUCTS HARMFUL TO HEALTH:</b>	NA (Not applicable) as a combustible product. Under extreme conditions or by contact with incompatible substances, irritating or toxic gases may be generated, including chlorine compounds.		
<b>SECTION VI: REACTIVITY HAZARDS</b>			
<b>STABILITY:</b>	Stable under normal handling, storage and transportation conditions.	<b>INSTANTANEOUS POLYMERIZATION:</b>	Does not occur.
<b>INCOMPATIBILITY, SUBSTANCES TO AVOID:</b>	Strong acids, strong oxidizing agents, non-noble metals in the presence of moisture, alkali metals such as lithium, bromine trifluoride, nitro compounds and other highly reactive substances.	<b>CONDITIONS TO AVOID:</b>	Excessive moisture, direct exposure to water or rain, excessive dust generation, extreme temperatures and contact with incompatible materials. The product is soluble in water; moisture may cause caking, hardening, brine formation and possible corrosive effects on metal surfaces. During bulk handling operations, static electricity may accumulate by friction; grounding and dust control are recommended for loading, unloading and transfer equipment.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	No hazardous decomposition products are expected under normal conditions. By contact with strong acids or exposure to extreme temperatures, it may release irritating or toxic gases, including hydrogen chloride, chlorine or other chlorine compounds.		
<b>SECTION VII: HEALTH HAZARDS AND FIRST AID</b>			
<b>ROUTE OF EXPOSURE</b>	<b>HEALTH EFFECTS</b>	<b>FIRST AID</b>	
<b>INHALATION:</b>	Inhalation of dust may cause irritation of the nose, throat and respiratory tract. It may cause coughing, sneezing or temporary discomfort.	Move the person to fresh air. Keep at rest. If symptoms persist, seek medical attention.	
<b>SKIN CONTACT:</b>	Prolonged or repeated contact may cause dryness, redness or mild irritation, especially on sensitive or injured skin.	Wash the affected area with soap and water. Remove contaminated clothing if necessary. Consult a physician if irritation persists.	
<b>EYE CONTACT:</b>	Dust or particles from the product may cause eye irritation, redness, tearing, burning or discomfort. GHS classification: H319, causes serious eye irritation.	Immediately rinse with plenty of water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do. If irritation persists, seek medical attention.	
<b>INGESTION:</b>	Accidental ingestion of small amounts is not normally expected to represent a significant risk. Ingestion of large amounts may cause gastrointestinal irritation, nausea, vomiting, diarrhea, intense thirst, dehydration or disturbances due to excess sodium.	Rinse mouth with water. Give water to drink if the person is conscious. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if large amounts are ingested or symptoms appear.	
<b>HEALTH HAZARDS</b>			
<b>MAIN SYMPTOMS:</b>	Eye irritation, mild skin or respiratory tract irritation from dust, coughing, burning, redness, tearing and gastrointestinal discomfort in case of excessive ingestion.		
<b>ACUTE EFFECTS:</b>	Temporary irritation from contact with eyes, skin or respiratory tract. Dust exposure may cause mild respiratory discomfort.		
<b>CARCINOGENICITY:</b>	Not classified as carcinogenic by IARC, NTP, ACGIH or OSHA.		
<b>ACUTE TOXICITY:</b>	Oral LD50 in rat: approximately 3,000 mg/kg.		
<b>NOTES TO PHYSICIAN:</b>	Symptomatic treatment. In case of excessive ingestion, consider electrolyte disturbances associated with a high sodium load.		
<b>SECTION VIII: ACCIDENTAL RELEASE OR SPILL MEASURES</b>			
<b>PERSONAL PRECAUTIONS:</b>	Avoid inhalation of dust and direct contact with eyes. Use appropriate personal protective equipment, such as safety glasses, gloves and a dust mask or particulate respirator when dust is generated.		
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Prevent large quantities of the product from reaching bodies of water, drains, sewers, exposed soil or stormwater systems. The product is soluble in water and may increase the salinity of water or soil.		
<b>CONTAINMENT METHODS:</b>	Contain the spilled material, preventing dispersion by wind, vehicle traffic or contact with water. In case of bulk spills, form physical barriers with dry inert material if necessary.		
<b>CLEANUP AND RECOVERY METHODS:</b>	Collect the product dry by sweeping, shovel, industrial vacuum or suitable mechanical equipment. Place recovered material in clean, dry containers for reuse, reprocessing or disposal, depending on its degree of contamination.		
<b>CONTAMINATED MATERIAL:</b>	If the product becomes contaminated with soil, oils, chemicals or other materials, handle it as waste according to applicable regulations and the instructions of the safety/environmental area.		
<b>FINAL DISPOSAL:</b>	Dispose of non-recoverable material in accordance with applicable federal, state and municipal provisions. Avoid direct discharge to drains or bodies of water.		
<b>ADDITIONAL MEASURES:</b>	Avoid excessive use of water for cleanup, as the product dissolves and may form brine. If water is used, control runoff and avoid direct discharge to the environment.		
<b>SECTION IX: SPECIAL PROTECTION IN EMERGENCY SITUATIONS</b>			

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CONCEPT	INFORMATION
<b>RESPIRATORY PROTECTION EQUIPMENT</b>	Under normal handling conditions, special respiratory protection is not required. When dust is generated, use an industrial dust mask or particulate respirator according to the exposure level and site safety practices.
<b>EYE PROTECTION</b>	Use safety glasses with side shields. In operations with high dust generation, loading, unloading, screening or bulk handling, safety goggles are recommended.
<b>HAND PROTECTION</b>	Use protective gloves to avoid dryness, irritation or prolonged contact with the product, especially during loading, unloading, cleaning or spill collection activities.
<b>BODY PROTECTION</b>	Use suitable work clothing, preferably long sleeves, safety boots and protective equipment according to operating area conditions.
<b>VENTILATION</b>	Work in ventilated areas. When dust is generated, use natural ventilation, local exhaust or dust control systems to reduce personnel exposure.
<b>HYGIENE MEASURES</b>	Wash hands after handling the product and before eating, drinking or smoking. Avoid touching eyes with contaminated hands. Remove and wash contaminated clothing before reuse.
<b>EMERGENCY SITUATIONS</b>	In case of spill, release, excessive dust generation or eye contact, use appropriate personal protective equipment and follow the first aid, cleanup and containment procedures established in this sheet.
<b>ADDITIONAL RECOMMENDED</b>	Eyewash station in bulk handling areas or where there is a risk of eye contact. Emergency shower when the handled volume or process conditions justify it.

**SECTION X: TRANSPORTATION INFORMATION**

CONCEPT	INFORMATION
<b>PROPER SHIPPING NAME</b>	Coarse salt / Sodium chloride
<b>UN NUMBER</b>	Not applicable / not assigned
<b>TRANSPORT HAZARD CLASS</b>	Not applicable
<b>PACKING GROUP / PACKAGE</b>	Not applicable
<b>SECONDARY HAZARD</b>	Not applicable
<b>TRANSPORT LABEL</b>	Not applicable
<b>TRANSPORT DIAMOND</b>	Not applicable
<b>MARINE POLLUTANT</b>	No
<b>TRANSPORT CLASSIFICATION</b>	Non-regulated material for transportation.
<b>LAND TRANSPORT</b>	Not classified as hazardous material for land transportation.
<b>MARITIME TRANSPORT</b>	Not classified as dangerous goods.
<b>AIR TRANSPORT</b>	Not classified as dangerous goods.
<b>SETIQ / TRANSPORT EMERGENCY TELEPHONE</b>	Not applicable as a specific requirement for this product, since it is not classified as hazardous material for transportation. In case of incident, contact the supplier/commercializer and local emergency services.
<b>SPECIAL PRECAUTIONS</b>	Transport in clean, dry units protected against moisture, rain and external contamination. Avoid bag rupture, spills, contact with water and excessive dust generation.

**SECTION XI: ECOLOGICAL INFORMATION**

CONCEPT	INFORMATION
<b>ECOTOXICITY</b>	The product is soluble in water and occurs naturally in the environment. Under normal handling conditions, it is not expected to generate significant environmental effects. However, large spills, frequent discharges or significant accumulations may increase the salinity of water or soil and affect organisms, vegetation or sensitive bodies of water.
<b>PERSISTENCE AND DEGRADABILITY</b>	Not applicable in the conventional sense, since sodium chloride is an inorganic substance. It does not biodegrade, but dissociates in water into sodium and chloride ions.
<b>BIOACCUMULATION POTENTIAL</b>	Significant bioaccumulation is not expected under normal conditions.
<b>MOBILITY IN SOIL</b>	High mobility. Since it is soluble in water, it may move with surface runoff or infiltrate into soil and groundwater.
<b>OTHER ADVERSE EFFECTS</b>	The release of large quantities may alter soil or water salinity, affect vegetation, modify conditions in bodies of water and contribute to corrosion of nearby metal infrastructure.
<b>ENVIRONMENTAL RECOMMENDATIONS</b>	Avoid direct discharges to drains, bodies of water, stormwater systems or exposed soil. Recover spilled product dry whenever possible. Control runoff if the product comes into contact with water.

**SECTION XII: HANDLING, STORAGE AND DISPOSAL INFORMATION**

CONCEPT	INFORMATION
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<b>HANDLING</b>	Handle the product avoiding excessive dust generation. Avoid direct contact with eyes and inhalation of particles. Use appropriate personal protective equipment during loading, unloading, transfer, screening or bulk handling operations.
<b>STORAGE</b>	Store in clean, dry, ventilated areas protected against rain, moisture and external contamination. Keep the product in containers, sacks, hoppers or closed or covered storage areas whenever possible.
<b>CONDITIONS TO AVOID DURING STORAGE</b>	Avoid direct exposure to water, excessive moisture, contact with contaminated soil, spills of oils, fuels, chemicals or other materials foreign to the product.
<b>STORAGE COMPATIBILITY</b>	Keep separated from strong acids, strong oxidizing agents and incompatible substances. Avoid prolonged contact with metal surfaces susceptible to corrosion, especially in the presence of moisture or brine.
<b>EFFECT OF MOISTURE</b>	The product is soluble in water and hygroscopic under high relative humidity conditions. Moisture may cause caking, hardening, brine formation, loss of flowability and deterioration of the product commercial quality.
<b>STATIC ELECTRICITY</b>	During bulk handling, loading, unloading or transfer, static electricity may be generated by friction. Although coarse salt is not flammable or combustible, it is recommended to ground equipment, hoppers, conveyor belts or transfer systems and control dust generation.
<b>PRODUCT DISPOSAL</b>	Clean product may be recovered for reuse, reprocessing or disposal according to internal quality criteria. Contaminated product shall be handled and disposed of in accordance with applicable federal, state and municipal regulations.
<b>GENERAL RECOMMENDATIONS</b>	Maintain good housekeeping and cleanliness practices. Avoid direct discharges to drains, bodies of water or exposed soil. Control runoff if the product comes into contact with water.

### SECTION XIII: ADDITIONAL INFORMATION

The information contained in this safety data sheet is based on technical data available for coarse salt / sodium chloride and is intended to provide guidance on its handling, storage, transportation and emergency response. The product is not classified as hazardous material for transportation and has no assigned UN number.

Among the main references considered for the preparation of this safety data sheet are applicable provisions on hazard identification and communication, exposure to chemical agents, transportation of materials and environmental management, including NOM-018-STPS-2015, NOM-010-STPS-2014, applicable SICT regulations for the transportation of hazardous substances and materials, the LGPGIR and its Regulations. Complementary technical criteria for risk communication, HMIS/NFPA classification and technical information available for sodium chloride / industrial salt were also considered.

For this product, coarse salt / industrial salt is not classified as hazardous material for transportation, has no assigned UN number and does not have flammability or explosivity classification under normal handling, storage and transportation conditions.

For technical interpretation purposes, this sheet may use common abbreviations in chemical safety, hazard communication and emergency response, such as UN, CAS, NFPA, HMIS, IDLH, LC50, LD50 and NA, among others. In the case of coarse salt / industrial salt, some abbreviations or fields may be indicated as "NA (Not applicable)" or "NA (Not available)," because the product is not classified as hazardous material for transportation and has low hazard under normal handling conditions. Risk rating diamond classification criteria for health, flammability, reactivity and special hazards are also included, in accordance with common risk identification and communication practices.

#### RISK LEVEL

DIAMOND MODEL		H = HEALTH (BLUE DIAMOND)	F = FLAMMABILITY (RED DIAMOND)	R = REACTIVITY (YELLOW DIAMOND)	S = SPECIAL (WHITE DIAMOND)
	4	Fatal	Extremely flammable	May detonate	Oxidizer ( OXI )
	3	Extremely hazardous	Flammable	May detonate, requires an initiation source.	Acid ( ACID )
	2	Slightly hazardous	Combustible	Violent chemical change	Alkaline ( ALC )
	1	Hazardous	Combustible if heated	Unstable if heated	Corrosive ( CORR )
	0	Normal material	Will not burn	Stable	Do not use water ( W )
					Material radioactivo