SUPER CLARIFIER

SECTION 1. IDENTIFICATION OF THE CHEMICAL SUBSTANCE AND THE COMPANY		
MANUFACTURER'S NAME: Brunnen Internacional S.A. de C.V.	**In case of emergency, please call to the telephone number:** (81) 8864-0088 / Fax: (81) 8351-3418	
Address Av. Del Progreso No. 2004, Parque Industrial Millenium, Santa Catarina, Nuevo León. C.P. 66367	**Date of preparation** May,2018	**Revision date** May,2023

COMERCIAL NAME: *Super clarifier*	**QUIMICAL NAME**: *Not Available*
PRESENTATION: *liquid*	***USES:*** clarifier

SECTION 2. HAZARD IDENTIFICATION	
Clasificación SGA	
Acute toxicity (inhalation)	Category 4
Acute toxicity (skin)	Category 4
Acute toxicity (oral)	Category 4
Corrosion / Irritation skin.	Category 1
Eye irritation	Category 2A
Sensitization skin	Category 1
Specific target organ toxicity (single expure)	Category 3

Danger pictograms:

Signal word: Attention.

Hazard statements	:	**H302** Harmful if swallowed **H312** Harmful in contact with skin **H315** Causes skin irritation **H317** May cause an allergic skin reaction **H319** Causes serious eye irritation **H332** Harmful if inhaled **H335** May cause respiratory irritation
Precautionary statements general:		**P101** If medical advice is needed, have product container or label at hand. **P102** Keep out of reach of children **P103** Read carefully and follow all instructions.
Precautionary statements prevention:		**P201** Obtain special instructions before use **P202** Do not handle until all safety precautions have been read and understood. **P232** Protect from moisture **P235** Keep cool. **P264** Wash hands thoroughly after handling. **P270** Do not eat, drink or smoke when using this product. **P272** Wash hands thoroughly after handling. **P280** Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/
Precautionary statements response:		**P301 + P310** IF SWALLOWED: Immediately call a POISON CENTER/doctor/ **P302 + P352** IF ON SKIN: wash with plenty of water. **P304 + P312** IF INHALED: Call a CENTER/doctor/... if you feel unwel **P332 + P313** IF SKIN irritation occurs: Get medical advice/attention. **P333 + P313** IF SKIN irritation or rash occurs: Get medical advice/attention. **P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
Storage:		**P403 + P233** Store in a well-ventilated place. Keep container tightly closed **P403 + P235** Store in a well-ventilated place. Keep cool.
Disposal:		**P501** Dispose of contents and container in accordance with all local, regional, national and international regulations.

SECTION 3. COMPOSITION / INFORMATION ABOUT THE COMPONENTS		
NOMBRE	**NO. CAS**	**% FORMULACIÓN**
Clotting agent	12042-91-0	0 – 60%
Clotting agent	25988-97-0	0 – 60%
Inerts	7732-18-5	0 – 60%

SECTION 4. FIRST AID MEASURES

INGESTION: Do not induce vomiting. First rinse with plenty of water or milk; irrigate the esophagus and dilute the stomach contents by giving the affected person one or two glasses of water or milk that the person has to drink slowly. Avoid drinking alcohol or beverages with alcohol. Do not supply fluids via oral. Seek for medical assistance immediately.

Inhalation: Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.

SKIN CONTACT: Wash the exposure area with plenty of flowing water or water from the shower. Take off the contaminated clothes and do not wear them before washing them. If irritation

EYE CONTACT: Wash with plenty of water for at least 15 minutes, keeping the eyelids open. Get medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEANS
These producto is not inflammable, so, Use an extinguishing agent suitable for the surrounding fire.

COMBUSTION PRODUCTS WITH HARMFUL EFFECTS FOR HEALTH
The termal degradation can generate metal oxide.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PROTECTIVE EQUIPMENT
Safety glases, gloves, safety shoes.

Small spill: Stop leak if without risk. Obstruct the potential paths to water systems (for example, drainage, streams, lakes, etc. Clay, soil or another commercial absorbent available may be used to pick up material which cannot be recovered easily as a pure product. Dispose of contents and container in accordance with all local, regional, national and international regulations.
Large spill: Stop leak if without risk. Obstruct the potential paths to water systems (for example, drainage, streams, lakes, etc. Clay, soil or another commercial absorbent available may be used to pick up material which cannot be recovered easily as a pure product. Dispose of contents and container in accordance with all local, regional, national and international regulations.

SECTION 7. HANDLING AND STORAGE

HANDLING:
Store and handle according to all current rules and standards. Maintain the container properly sealed and labeled. Keep it away from food and drinks. Keep it away from incompatible substances.

STORAGE:
Do not allow the product to enter in contact with the eyes, skin or clothes. Do not add the product to containers with residues from other products.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION
Respiratory: None. Eyes: Safety glasses OSHA Hands: Rubber glasses Body: Robe or overall

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES	
PHYSICAL STATE: LIQUID.	TEMPERATURA DE FUSION (°C): N/D
COLOR: PINK	SELF-IGNITION TEMPERATURE (°C) NOT AVAILABLE
ODOR: N/A	VAPOR DENSITY (AIR=1): NOT AVAILABLE
PH: 2.0 – 4.0	FLAMMABILITY LIMITS: NOT AVAILABLE
DENSITY: 1.09 – 1.2 G/L	SOLUBILITY IN WATER: TOTALLY SOLUBLE IN WATER
EVAPORATION RATE: NOT AVAILABLE	% OF VOLATILITY: NOT AVAILABLE
MOLECULAR WEIGHT: NOT AVAILABLE	VAPOR PRESSURE: NOT AVAILABLE
FLAMMABILITY LIMITS: NOT AVAILABLE	

SECTION 10 STABILITY AND REACTIVITY	
SUBSTANCE Stable ■ **Unstable** □	**CONDITIONS TO AVOID** Do not expuse the product to temperature >100 °C
INCOMPATIBILTY (SUBSTANCES TO AVOID) oxidant agents. Avoid contact with bases, the reacton generate warm and violent reactions with oxidants. (chlorites, hypoclorites, sulfites, etc)	**HAZARDOUS PRODUCTS FROM THE DECOMPOSITION** Unknown but the termal degradation can generate metal oxide and chlorinated.
SPONTANEOUS POLYMERIZATION It cannot occur ■ It can occur □	

SECTION 11. INFORMATION ABOUT TOXICOLOGY
ACUTE TOXICITY: DL50 rat >2,000 mg/kg.
Accidental ingestion: It is not expected to be the primary exposure route.
Inhalation: It may cause irritation or corrosion of the mucus membranes and lungs. The exposed individuals must be monitored to follow-up respiratory abnormalities, bronchitis or pneumonia.
Skin (contact and absorption): Slight irritation, wear gloves for chemical products.
Eyes: Slight irritation. Wash with plenty of water for at least 15 minutes, keeping the eyelids open.

SECTION 12. INFORMATION ABOUT ECOTOXICOLOGY	
Provisions of the Semarnat with regard to:	
Water	The polluted effluents shall be in compliance with the following standards: NOM-001-SEMARNAT-1996 (maximum limits of national waters and assets), NOM-002-SEMARNAT-1996 (maximum limits of discharge to sewer).
Air	IT DOES NOT APPLY
Soil	Compliance with SEMARNAT regulations
Hazardous residues	The residues generated may be in compliance with the regulations of the LGEEPA with regard to hazardous residues.

SECTION 13. CONSIDERATIONS REGARDING THE FINAL DISPOSITION
The residues generated must comply with the: LGEEPA regulation regarding the hazardous residues and the Standards NOM-052-ECOL, NOM-053ECOL and NOM-054-ECOL Disposal of containers: Empty containers, as defined by the appropriate sections of the RCRA, are not hazardous waste. However, ensure proper handling of any remaining residuals from the container. The triple rinse of the container allows it to be considered for recyclinf or recorditioning or failing that, the puncture and disposition of them to be destined for a landfill or through procedures approved by local and state authorities.

SECTION 14. INFORMATION REGARDING TRANSPORTATION
No. UN: NOT AVAILABLE DOT/ADR: NOT AVAILABLE ICAO/IATA: NOT AVAILABLE. IMO-IMDG: NOT AVAILABLE It is not classified as a dangerous product. It must be in compliance with the regulations for the inland transport of materials and hazardous residues and with the regulations issued for such purpose.

SECTION 15. REGULATION INFORMATION
Comply with the Federal and Local regulations in the environmental field. Hazardous chemical components are in the list of ingredients or components in section 3 of this safety data sheet. If you need more information or specific properties of the producto, contact the quality department of BRUNNEN INTERNACIONAL S.A DE C.V. This information in this safety data sheet, represent the latest data that we have regarding hazards and properties, handling of this producto is responsability of the user. This safety data sheet was prepared to comply with the Hazard regulation of NOM-018-STPS-2015. BRUNNEN INTERNACIONAL S.A DE C.V. asseruthat this product is manufactured in accordance with the chemical description and the purpose referred in the recommendation for use. The buyer takes on the risk of any other use than that stipulated in the recommendations.

SECTION 16. OTHER INFORMATION

USED ACRONYMS:

CAS NUMBER: Number of the service of Compilation of Chemical Products (Division of the American Chemical Society of the USA).
NFPA RATING: Classification of the National Fire Protection Agency of the USA.
HMIS RATINGS: Classifications of the Material Information System of the USA.
OSHA: Occupational Safety and Health Administration of the USA.
NIOSH: National Institute for Occupational Safety and Health of the USA.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assume any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknow hazards and should be used with caution. Although certain hazards are described herein, we cannor guarantee that these are the only hazards that exist.