14400

MATERIAL SAFETY DATA SHEET

For Assistance, Contact: Regulatory Affairs Dept. PO Box 907 Ames, IA

HACH COMPANY P.O. Box 907 Ames, IA 50010

Emergency Telephone #: (515) 232-2533

I. PRODUCT IDENTIFICATION

CATALOG NUMBER: 14400 PRODUCT NAME: Sodium Chloride Standard Solution 491 g 2.0 mg/L as NaCl

CAS NO: 584-08-7 CHEMICAL NAME: Not applicable

FORMULA: Not applicable CHEMICAL FAMILY: Not applicable

DATE: 06/25/87

CHANGE NO.: 6617

II. INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CAS NUMBER</th>
<th>TLV</th>
<th>PEL</th>
<th>NATURE OF HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>Not established</td>
<td>Not established</td>
<td>Irritants, inhaled when contaminated in large quantities</td>
</tr>
<tr>
<td>De-ionized Water</td>
<td>100773-18-5</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>None</td>
</tr>
</tbody>
</table>

III. PHYSICAL DATA

STATE: liquid

APPEARANCE: Clear and colorless

ODOR: None

SOLUBILITY IN: WATER: Miscible; ACID: Miscible; OTHER: Not determined

B OILING PT.: 110°C

MELTING PT.: Na

SPECIFIC GRAVITY: 0.991 g/mL at 7.0°C

VAPOR PRESSURE: Not determined

DENSITY (air=1): NO

EVAPORATION RATE: NO

METAL CORROSION: ALUMINUM: None

STEEL: None

STABILITY: Stable

STORAGE PRECAUTIONS: Store tightly closed.

IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT.: Not applicable

METHID: NA

FLAMMABILITY LIMITS: LOWER: NA

UPPER: NA

SUSCEPTIBILITY TO SPONTANEOUS HEATING: None

SHOCK SENSITIVITY: None

AUTOIGNITION PT.: None

EXTINGUISHING MEDIA: Not applicable

FIRE/EXPLOSION HAZARDS: None

HAZARDOUS DECOMP. PRODUCTS: None

COUNTER: NA

FP CODES: NA

CONDITIONS TO AVOID: None

V. HEALTH HAZARD DATA

ACUTE TOXICITY: Practically non-toxic

TARGET ORGANS: Not applicable

CHEMICAL TOXICITY: Practically non-toxic

ROUTES OF EXPOSURE: Not applicable

TARGET ORGANS: Not applicable

MUTAGENIC, MUTAGEN, TERATOGENIC DATA: experimental teratogen

ROUTES OF EXPOSURE: parenteral

TARGET ORGANS: Not determined

VII. HANDLING AND STORAGE

HANDLING: Avoid contact, inhalation, ingestion, and absorption through the skin.

STORAGE: Store in a cool, dry place.

VIII. RELIABILITY

RELIABILITY: NA

IX. TRANSPORTATION

UN NUMBER: 0

CLASS: NA

PACKING GROUP: NA

XI. REGULATORY INFORMATION

OSHA: NA

NRC: NA

FEDERAL REGULATIONS: NA

XI. ADDITIONAL INFORMATION

ADDITIONAL INFORMATION: NA
VI. PRECAUTIONARY MEASURES

Wash thoroughly after handling.

PROTECTIVE EQUIPMENT: None required

VII. FIRST AID

EYE AND SKIN CONTACT: Flush with plenty of water.

INGESTION: Give large quantities of water or milk. Call physician immediately.

INHALATION: Not applicable

VIII. SPILL AND DISPOSAL PROCEDURES

IN CASE OF SPILL OR RELEASE: Dilute with water. Pour down the drain with excess water.

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

IX. TRANSPORTATION DATA

PROPER SHIPPING NAME: Not Currently Regulated

HAZARD CLASS: Not applicable

LD: NA

X. REFERENCES

4) In-house information
5) Technical judgment

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