SAFETY DATA SHEET

HTDD

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: HTDD
Product Description: High Temperature Mechanical Dishwashing Detergent

MANUFACTURER:
Chemical Products & Systems
124 W. South St.
Jackson, Ms. 39201
601-354-1919

Emergency Phone Number
24-hour contact:
Chemtrec (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS Classification:

Acute Toxicity:	4
Skin corrosion:	1A
Serious Eye Damage	1

GHS Label Element
Hazard Pictogram

Signal Word: Danger

Hazard Statements: Causes severe skin burns and eye damage.

Precautionary Statement: Prevention: Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/ physician.
Wash contaminated clothing before reuse.

Storage: Store in a cool dry space away from heat and flames. Keep out of reach of children.

Disposal: Dispose of contents/container to an approved waste disposal plant.

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3. COMPOSITION/INFORMATION OF INGREDIENTS

Product as sold: Mixture

Chemical Name	CAS Number	Amount%
Potassium Hydroxide	1310-58-3	15-20
Tetrapotassium pyrophosphate	7320-34-5	1-5
Sodium Silicate	1344-09-8	1-5
Sodium Hypochlorite	7681-52-9	1-5

4. FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water for 15 minutes. Seek immediate medical attention.

Skin Contact: Wash skin with plenty of water. Remove contaminated clothing and shoes and wash before reuse.

Inhalation: Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen.

Ingestion: Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most important symptoms/effects, acute and delayed: See section 11for detailed information.

Indication of immediate medical attention and special treatment needed, if necessary:

Notes to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: None

Specific hazards during firefighting: Not flammable.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with clothing, skin and eyes. Stop leak if safe to do so.

Environment Precautions: Do not allow contact with soil, surface or ground water.

Protective Equipment: Use personal protective equipment. See section 8.

Methods and materials for cleanup: Stop leak if safe to do so. Contain spill and absorb material with earth, sand or other non-combustible material and transfer to containers for disposal. Rinse area with water.

7. HANDLING AND STORAGE

Handling: Avoid contact with clothing, skin and eyes. Where contact is likely, wear chemical resistant gloves, rubber boots, and chemical goggles plus a face shield. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

Storage Precautions: Keep tightly closed and store in a cool dry place. Keep away from heat and flame. Keep from freezing.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits: No occupational exposure limits have been established for this product

Engineering Controls: Effective exhaust ventilation system..

Personal Protective Equipment:
Eye Protection: Wear safety glasses, goggles or eye shield

Skin Protection: Wear protective gloves to minimize skin contamination. Wear appropriate personal protective equipment.

Respiratory Protection: In case of inadequate ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color	Clear
Odor:	Slight ammonia-like odor

Odor Threshold	No data available
pH	>14
Viscosity	No data available
Vapor density:	No data available
Specific Gravity:	1.3
Flash Point	Not applicable
Boiling Point:	No data available
Vapor pressure:	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
VOC	No data available
Flammability	No data available
Solubility in water:	Soluble
Melting/freezing point:	No data available

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Polymerization: Will not occur.

Incompatibility: Not compatible with acids and oxidizers.

Hazardous decomposition products: Oxides of Carbon, Nitrogen and Phosphorous.

11. TOXOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Eyes and Skin contact

Potential Health Effects:

Eyes:	Causes severe eye damage
Skin:	Can cause severe burns
Ingestion:	Causes digestive tract damage
Inhalation:	May cause irritation to nose, throat and respiratory tract.
Chronic Exposure:	None known

12. ECOLOGICAL INFORMATION

When used for its intended purpose this product has no known Environmental effects.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of waste material in accordance with all Federal, State and local regulations.

14. TRANSPORTATION INFORMATION

UN Number:	UN3266
Proper Shipping Name:	Corrosive Liquid, Basic, Inorganic, N.O.S. (Potassium Hydroxide, Sodium Hypochlorite)
Hazard Class:	8
Packing Group:	II

15. REGULATORY INFORMATION

This product contains the following component(s) which is subject to the reporting requirements of SARA Section 302, SARA Section 313 and /or CERCLA

Potassium Hydroxide	CAS No. 1310-58-3
CERCLA Final RQ:	1,000 lbs.
Sodium Hypochlorite	CAS No. 7681-52-9
CERCLA Final RQ:	100 lbs.

16. OTHER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Chemical Products & Systems.

Reason for revision: GHS format