Safety Data Sheet: CAST OUT, MM

Supercedes Date 07/11/2012 **Issuing Date** 01/09/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CAST OUT, MM
Recommended use aqueous solution
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 4287
Chemical nature Aqueous solution
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless **Physical State** Liquid **Odor** Slight chlorine

GHS
Classification
Physical Hazards
None
Health Hazard
None
Other hazards
None

Labeling
Signal Word
Not classified

3. COMPOSITION / INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

General advice	No hazards which require special first aid measures.
Eye Contact	No hazards which require special first aid measures.
Skin Contact	No hazards which require special first aid measures.
Inhalation	No hazards which require special first aid measures.
Ingestion	No hazards which require special first aid measures.
Notes to physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash **Method** Tag closed cup
Flammability Limits in Air % No information available. **Upper** No data available **Lower** No data available
Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
Material can create slippery conditions.
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.

NFPA	**Health** 0	**Flammability** 0	**Instability** 0
HMIS	**Health** 0	**Flammability** 0	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions	No special environmental precautions required.

Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice.

Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

Storage Temperature **Minimum** 35 °F / 2 °C **Maximum** 120 °F / 49 °C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

- **Eye/Face Protection** Not required under normal use.
- **Skin Protection** Not required under normal use
- **Respiratory Protection** None under normal processing.

General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Non viscous
Color	Colorless	**Odor**	Slight chlorine
Odor Threshold	Not applicable	**Appearance**	Transparent
pH	9.9	**Specific Gravity**	1.0
Evaporation Rate	0.6 (Butyl acetate=1)	**Percent Volatile (Volume)**	100
VOC Content (%)	0	**VOC Content (g/L)**	0
Vapor Pressure	17.5 mmHg @ 70°F	**Vapor Density**	0.6 (Air = 1.0)
Solubility	Completely soluble	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	212 °F / 100 °C	**Flammability (solid, gas)**	No data available
Flash Point	Does not flash	**Method**	Tag closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %	No information available.	**Upper** No data available **Lower** No data available	

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.

Conditions to Avoid None known

Incompatible Products Strong acids, Copper.

Hazardous Decomposition Products Chlorine

Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50 No information available

Dermal LD50 No information available

Inhalation LC50

- **Gas** No information available
- **Mist** No information available
- **Vapor** No information available

Principle Route of Exposure Skin contact, Eye contact.

Primary Routes of Entry None known

Acute Effects

- **Eyes** Low hazard for usual industrial or commercial handling.

Skin	Low hazard for usual industrial or commercial handling.
Inhalation	Low hazard for usual industrial or commercial handling.
Ingestion	Low hazard for usual industrial or commercial handling.
Chronic Toxicity	None known.
Target Organ Effects	None known
Aggravated Medical Conditions	None known
Component Information	No information available

Acute Toxicity

No information available.

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Persistence and Degradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of in accordance with local regulations.
Container Disposal	Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
No	No	No	No	No

CERCLA

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria

16. OTHER INFORMATION

Prepared By	Rachael Mohochi
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Issuing Date	01/09/2013
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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