

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CAST OUT, M/M	Product Code 4287
Recommended Use Aqueous solution	Chemical Nature Aqueous solution
Information on Manufacturer	Emergency Telephone Number
CHEMSEARCH DIV. OF NCH CORP.	CHEMTREC ® 800-424-9300
BOX 152170	
IRVING, TX 75015	

2. HAZARDS IDENTIFICATION

Emergency Overview
Caution
Keep out of reach of children

Color Colorless	Physical State Liquid	Odor Slight chlorine
Potential Health Effects		
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 Effects	No information available	
Target Organ Effects	None known	
Aggravated Medical Conditions	None known	
Potential Environmental Effects	See Section 12 for additional Ecological information	

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	Not combustible	Method	Tag closed cup
Autoignition Temperature	No information available		
Flammability Limits in Air %	No information available		
Suitable Extinguishing Media	Water spray. Carbon dioxide (CO2). Foam. Dry chemical		
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	Do not flush into surface water or sanitary sewer system
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	Pick up and transfer to properly labeled containers
Neutralizing Agent	Not applicable

7. HANDLING AND STORAGE

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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				
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

Engineering Measures	Ensure adequate ventilation
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. Wash contaminated clothing before re-use

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Non viscous
Color	Colorless	Odor	Slight chlorine
Appearance	Transparent	pH	9.9
Specific Gravity	1.0	Evaporation Rate	0.65 (Butyl acetate=1)
Percent Volatile (Volume)	100	VOC Content (%)	0
Vapor Pressure	17.5 mmHg @ 70 °F	Vapor Density	0.7 (Air = 1.0)
Solubility	Completely soluble	Boiling Point/Range	212°F/100°C

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur
Conditions to Avoid	Heat, flames, and sparks
Incompatible Products	Strong acids, Copper.
Hazardous Decomposition Products	Chlorine
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information	No information available
Component Information	No information available
Acute toxicity	No information available
Chronic Toxicity	
No information available	
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 Title 40n 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	Kristen Stansbury
Supersedes Date	03/17/2005
Issuing Date	05/12/2009
Reason for Revision	No information available
Glossary	No information available
List of References.	No information available

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