



1-800-426-6500 || +1(773)-463-6565

<https://www.ndtjames.com/>

mike@ndtjames.com

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier CL Calibration Solution(s)		[WHMIS Classification]	
Product Use CL-3000, Chlorimeter Calibration Solutions (0.3%, 0.1%, 0.05%, 0.01% and 0.005%)			
Manufacturer's Name James Instruments, Inc.		Supplier's Name Weiss Research, Inc.	
Street Address 3727 N Kedzie Ave.		Street Address 17117 Westheimer Road, Unit 9	
City Chicago	State IL	City Houston	State TX
Postal Code 60618	Emergency Telephone 800-424-9300	Postal Code 77082	Emergency Telephone 1-888-44-WEISS
Date MSDS Prepared March 21, 2019	MSDS Prepared By James Instruments, Inc.		Phone Number 1-773-463-6565

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ Of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
Sodium Chloride	< 0.4	7647-14-5	8000 (ORL-MUS)	Not Listed
De-Ionized Water	> 99.6	7732-18-5	190000 (IPR-MUS)	
Food color (Blue, Red & Yellow)	1-3 drops	/ 1000 mL		

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	<input type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Eye Contact	<input type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion
[Emergency Overview] -					
WHMIS Symbols]					
Potential Health Effects * Because of the Low Concentration of Salt (less than 1%) this product is not considered to be hazardous.					

SECTION 4 — FIRST AID MEASURES

Skin Contact	Wash skin with soap and water.
Eye Contact	Wash eyes with water.
Inhalation	None
Ingestion	Rinse mouth with adequate amounts of water.

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

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SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, under which conditions?	
Means of Extinction Any			
Flashpoint (° C) and Method Not Flammable		Upper Flammable Limit (% by volume) N/A	Lower Flammable Limit (% by volume) N/A
Autoignition Temperature (°C) Not Flammable		Explosion Data — Sensitivity to Impact N/A	Explosion Data — Sensitivity to Static Discharge None
Hazardous Combustion Products N/A			
[NFPA]			

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
* Clean up and wash down drain.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment * Keep cap(s) on CalibrationSolutions tightly sealed in order to protect product integrity.
Storage Requirements * Store at room temperature.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process) * None
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type * Safety glasses
* Gloves to be used by the test employee with an open cut/wound, or if they so desire.
* No other PPE protection required.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odour and Appearance Odorless / Food Colors added per sect.16	Odour Threshold (ppm) N/A
Specific Gravity 1.0	Vapour Density (air = 1) N/A	Vapour Pressure (mmHg) N/A
Evaporation Rate N/A	Boiling Point (° C) ~ 100 deg. C (or 212 F)	Freezing Point (° C) ~ 0 deg. C (or 32 F)
pH N5.5-7.5 / 1000 ppm	Coefficient of Water/Oil Distribution N/A	[Solubility in Water] Miscible

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?
* The product(s) is(are) Stable.	
Reactive, and under what conditions?	
* Incompatibility: None. Suitable for any general storage.	
Hazardous Decomposition Products	
* None. / Hazardous Polymerization: Will not occur.	

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure			
* May cause stinging or irritation on an open cut / wound.			
Effects of chronic exposure			
* None known			
Irritancy of Product			
Skin sensitization	May cause stinging or irritation.	Respiratory sensitization	None known
Carcinogenicity-IARC	No	Carcinogenicity - ACGIH	None known
Reproductive toxicity	None known	Teratogenicity	None known
Embrototoxicity	None known	Mutagenicity	None known
Name of synergistic products/effects			

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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]

* None Known

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal

* Wash down drain. Observe all Federal, State & local laws for proper disposal practices.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information

* None

PIN

TDG

[DOT]

[IMO]

[ICAO]

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification]

None known

[OSHA]

[SERA]

[TSCA]

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

SECTION 16 — OTHER INFORMATION

The information listed on this SDS is based on the manufacturer's data; revised Sept, 2017.

Colors for Cal Solutions: 0.3% - Green, 0.1% - Orange, 0.05% - Dark Blue, 0.01% - Violet and 0.005% - Light Blue

Disclaimer: The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in conjunction with any other material or in any process, unless specified in the text.