

SECTION 1: IDENTIFICATION
Product Identifier
Product Form: Liquid

Product Name: 3% Contrad

Synonyms: 3% Contrad 70, Instrument Cleaning Agent

Intended Use of the Product
Use of the Substance/Mixture: Instrument decontamination, laboratory detergent

Company

Carterra Inc.

825 N 300 W

Suite C309

Salt Lake City, UT 84103

844.642.7635 x736

Emergency Number: 1-800-535-5053 for domestic USA, 1-352-323-3500 for International.

Account Number: 114962

SECTION 2: HAZARDS IDENTIFICATION
Classification of the Substance or Mixture
GHS-US Classification

Acute Toxicity Oral Category 4

Serious Eye Damage Category 1C

Skin Irritant Category 2

Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US)

Signal Word (GHS-US)
: Danger

Hazard Statements (GHS-US)
: H320 – Causes eye irritation
 H302 – Harmful if swallowed
 H315 – Causes skin irritation

Precautionary Statements (GHS-US)
: P285 – In case of inadequate ventilation wear respiratory protection
 P302+P352 – IF ON SKIN: Wash with plenty of soap and water
 P305B – IF IN EYES: Separate eyelids with fingertips
 P351 – Rinse cautiously with water for several minutes
 P361 – Remove/Take off immediately all contaminated clothing

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
Mixture

Name	CAS No.	%	GHS-US Classification
Potassium hydroxide	1310-58-3	0.00 – 0.15	Acute Tox. 4 – Oral Skin Corr. 1A
Trisodium citrate dihydrate	6132-04-3	0.18 – 0.30	None specified
Water	7732-18-5	99.82 – 99.55	None specified

SECTION 4: FIRST AID MEASURES
Description of First-aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show label where possible). Remove

First-aid Measures After Inhalation: No data available

First-aid Measures After Skin Contact: Wash skin with deluge of water for at least 15 minutes

First-aid Measures After Eye Contact: Separate eyelids with fingertips

First-aid Measures After Ingestion: No data available
Most Important Symptoms and Effects Both Acute and Delayed
Symptoms/Injuries: No data available
Symptoms/Injuries After Inhalation: No data available
Symptoms/Injuries After Skin Contact: No data available
Symptoms/Injuries After Eye Contact: No data available
Symptoms/Injuries After Ingestion: No data available
Chronic Symptoms: No data available

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Media: No data available
Unsuitable Extinguishing Media: No data available
Special Hazards Arising from the Substance or Mixture
Fire Hazard: No data available
Explosion Hazard: No data available
Reactivity: No data available
Advice for Firefighters
Precautionary Measures: No data available
Firefighting Instructions: No data available
Protection During Firefighting: No data available
Hazardous Combustion Products: No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures
General Measures: No special measures indicated
For Non-Emergency Personnel
Protective Equipment: No special measures indicated
Emergency Procedures: No special measures indicated
For Emergency Personnel
Protective Equipment: No special measures indicated
Emergency Procedures: No special measures indicated
Environmental Precautions
No special measures indicated
Methods and Materials for Containment and Cleanup
For Containment: No special measures indicated
Methods for Cleanup: No special measures indicated

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling
Additional Hazards When Processed: None
Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety practice.
Conditions for Safe Storage, Including any Incompatibilities
Technical Measures: None specified
Storage Conditions: Store at room temperature. Keep containers tightly closed in a well-ventilated place.
Incompatible Products: None known

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters
For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Component	CAS-No.	Value	Control Parameters
Ethanol,2,2',2''-nitrilotris-	102-71-6	TWA	5 mg/m ³
Potassium hydroxide	1310-58-3	Ceiling	2 mg/m ³
Trisodium citrate dihydrate	6132-04-3	Not Established	Not Established
Water	7732-18-5	Not Established	Not Established
Dodecylbenzene sulfonic acid	27176-87-0	Not Established	Not Established

Exposure Controls and Risk Management Measures

Appropriate Engineering Controls	:	Use process enclosures, local exhaust ventilation, or other engineering controls
Materials for Protective Clothing	:	Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for this product. Permeation data must be obtained from the manufacturer to determine if the material is suitable for the task.
Hand Protection	:	Chemical resistant gloves should be worn whenever this material is handled. The glove material must be impermeable and resistant to the product. Gloves should be removed and replaced immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product.
Eye Protection	:	The use of eye protection in the form of safety glasses with side shields are considered minimum and non-discretionary in workplaces and laboratories.
Skin and Body Protection	:	No data available
Respiratory Protection	:	No data available
Environmental Exposure Controls	:	No data available
Other Information	:	No data available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
Information on Basic Physical and Chemical Properties

Physical State	:	Liquid
Appearance	:	Clear
Odor	:	No data available
Odor Threshold	:	No data available
pH	:	11.92 – 12.30
Evaporation Rate	:	No data available
Melting Point	:	0° C
Freezing Point	:	No data available
Boiling Point	:	100 °C
Flash Point	:	No data available
Auto Ignition Temperature	:	No data available
Decomposition Temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor Pressure	:	No data available
Relative Vapor Density at 20° C	:	No data available
Relative Density	:	No data available
Specific Gravity	:	No data available
Solubility	:	Miscible
Partition Coefficient: N-Octanol/Water	:	No data available
Viscosity	:	No data available

SECTION 10: STABILITY AND REACTIVITY
Reactivity: No data available

Chemical Stability: Stable

Possibility of Hazardous Reactions: Low

Conditions to Avoid: None

Incompatible Materials: Strong Acids

Hazardous Decomposition Products: No data available

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION**Information on Toxicological Effects**

Acute Toxicity: No data available

Skin Corrosion/Irritation: No data available

pH: No data available

Serious Eye Damage/Irritation: No data available

pH: No data available

Respiratory or Skin Sensitization: No data available

Germ Cell Mutagenicity: No data available

Carcinogenicity: No data available

IARC: No data available

NTP: No data available

OSHA: No data available

Reproductive Toxicity: No data available

Specific Target Organ Toxicity (Single Exposure): No data available

Specific Target Organ Toxicity (Repeated Exposure): No data available

Aspiration Hazard: No data available

Symptoms/Injuries After Inhalation: No data available

Symptoms/Injuries After Skin Contact: No data available

Symptoms/Injuries After Eye Contact: No data available

Symptoms/Injuries After Ingestion: No data available

Chronic Symptoms: No data available

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available. ·

Additional ecological information: ·

General notes: Water hazard class 1 (Self-assessment); slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods:

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach water system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary, with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

UN-Number · DOT, IMDG, IATA UN1814

UN proper shipping name

DOT Potassium hydroxide, solution

IMDG, IATA POTASSIUM HYDROXIDE SOLUTION

Transport hazard class(es): Class 8 Corrosive substances · Label 8



IMDG, IATA: Class 8 Corrosive substances · Label 8



Packing group: DOT, IMDG, IATA II

Environmental hazards: · Marine pollutant: No

Special precautions for user

Warning: Corrosive substances

Danger code: (Kemler): 80

EMS Number: F-A, S-B

Segregation: groups Alkalis

Stowage: Category A

Segregation Code: SG35 Stow "separated from" acids.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

Transport/Additional information:

DOT Quantity limitations: On passenger aircraft/rail: 1 L On cargo aircraft only: 30 L

IMDG Limited quantities (LQ) 1L: Excepted quantities (EQ) Code: E2 Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation": UN 1814 POTASSIUM HYDROXIDE, SOLUTION, 8, II

SECTION 15: REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific for the substance or mixture

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 · Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenic categories ·

EPA (Environmental Protection Agency) None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed. ·

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). ·



Signal word Danger

Hazard-determining components of labeling: Potassium Hydroxide

Hazard statements Harmful if swallowed. Causes severe skin burns and eye damage.

Precautionary statements Do not breathe dusts or mists. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Quality Assurance.

Date of preparation / last revision

Creation date for SDS 06/19/2020

Review SDS for accuracy. 10/24/2022