

Safety Data Sheet (SDS)

Section 1: Chemical Product and Company Identification

Cat# : 1002, 1003, 1004, 1005

Part Name: Contrad 70

Supplier: Decon Laboratories Inc.

460 Glennie Circle King of Prussia, Pa 19406
SDS Telephone # (610) 755-0800

Emergency Telephone Numbers

US Chemtrec: (800) 424-9300

Canada: (703) 527-3887

Identified uses: Laboratory use

Email Contact: cveloski@deconlabs.com

Section 2: Hazards Identification:

Hazard Overview

Causes eye burns

Causes skin and eye irritation

Causes skin irritation

Harmful if swallowed.

GHS Classification

Acute Toxicity Oral Category 4

Serious eye damage Category 1C

Skin irritant Cat 2, Eye irritation Cat 2B

Skin Irritant Category 2

Signal Word: DANGER



Safety Data Sheet (SDS)

Hazard and Precautionary Statements

H320	Causes eye irritation
H302	Harmful if swallowed
H315	Causes skin irritation.
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 finger tips.
P351	Rinse cautiously with water for several minutes.
P361	Remove/Take off immediately all contaminated clothing.

NFPA Rating

Hazard Ratings:

These ratings are Decon Laboratories Inc.'s own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and list 49).

If no data is listed the information is not available

Health 2 Flammability 0 Reactivity 0

Section 3: Composition/ Information on ingredients

Note: Items listed with a CASRN number have no CAS# available

Item#	Name	EINECS	CAS#	% in product
1	Potassium hydroxide	215-181-3	0001310583	0 - 5
2	Trisodium citrate dihydrate	Unknown	0006132043	6 - 10
3	Water	231-791-2	0007732185	81 - 90

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.
Remove contaminated clothing.
Separate eyelids with finger tips.
Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire-Fighting Measures

Flash Point, deg. F:	No data	Method:	No data
UEL: No data	LEL: No data	Autoignition temperature, deg. F:	No data
Flammability Classification:	No data	Flame Propagation Rate:	No data

Safety Data Sheet (SDS)

Hazardous Combustion Products: No data

Section 6: Accidental Release measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

No special measures indicated.

Section 7: Handling and Storage

Store at room temperature

Section 8: Exposure Controls/ Personal Protection

OSHA (ACGIH) Exposure Limits

		TWA		STEL		CEILING	
		ppm	mg/	ppm	mg/	ppm	mg/
CAS # 0000102716	IDLH: -						
OSHA		Not classified	-	-	-	-	-
ACGIH			5	-	-	-	-
CAS # 0001310583	IDLH:						
OSHA		Not classified	-	-	-	-	-
ACGIH		-	-	-	-	-	2
CAS # 0006132043	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS # 0007732185	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE
ACGIH		NE	NE	NE	NE	NE	NE
CAS # 0027176870	IDLH: NE						
OSHA		NE	NE	NE	NE	NE	NE

Safety Data Sheet (SDS)

ACGIH	NE	NE	NE	NE	NE	NE
CAS # 0068154972	IDLH: NE					
OSHA	NE	NE	NE	NE	NE	NE
ACGIH	NE	NE	NE	NE	NE	NE

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Use process enclosures, local exhaust ventilation, or other engineering controls.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves 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. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

Section 9: Physical and Chemical Properties

Formula:	No data	Vapor Pressure:	No data
Formula weight:	No data	Vapor Density:	No data
Boiling Point:	212°F	Specific Gravity:	1.05
Melting Point:	32°F	pH:	12-14
Solubility:	Miscible	Appearance:	Milky mobile liquid

Section 10: Stability and Reactivity:

Chemical Stability:	Stable
Conditions to Avoid:	None
Incompatibility with other materials:	Strong acids
Hazardous Decomposition Products:	No data
Hazardous Polymerization:	Will not occur

Section 11: Toxicological Information

Acute Data:	No data
Subchronic Data:	No data

Safety Data Sheet (SDS)

Section 12: Ecological Information

No data.

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS #	Waste Code	Regulated Name
0000102716	not listed	not listed
0001310583	not listed	not listed
0006132043	not listed	not listed
0007732185	not listed	not listed
0027176870	not listed	not listed
0068154972	not listed	not listed

Section 14: Transportation Information

Proper Shipping Name:	POTASSIUM HYDROXIDE, SOLUTION	Note:
Chemical Name:		1 Liter & Sample size: ORM-D or LTD QTY
UN #	UN1814	
Class	8	
Packing Group:	II	

Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
0000102716	no	no
0001310583	no	no
0006132043	no	no

Safety Data Sheet (SDS)

0007732185	no	no
0027176870	no	no
0068154972	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#

CAS#

0000102716	Not listed
0001310583	Not listed
0006132043	Not listed
0007732185	Not listed
0027176870	Not listed
0068154972	Not listed

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS#	Regulated Name	De minimus conc. %	Rep Thres.
0000102716	Not Listed	Not Listed	Not Listed
0001310583	Not Listed	Not Listed	Not Listed
0006132043	Not Listed	Not Listed	Not Listed
0007732185	Not Listed	Not Listed	Not Listed
0027176870	Not Listed	Not Listed	Not Listed
0068154972	Not Listed	Not Listed	Not Listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated Name	TPQ (pounds)	EHS RQ (pounds)
0000102716	Not Listed	Not Listed	Not Listed
0001310583	Not Listed	Not Listed	Not Listed
0006132043	Not Listed	Not Listed	Not Listed
0007732185	Not Listed	Not Listed	Not Listed
0027176870	Not Listed	Not Listed	Not Listed
0068154972	Not Listed	Not Listed	Not Listed

Safety Data Sheet (SDS)

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS#	Regulated Name	RQ (pounds)
0000102716	Not listed	Not listed
0001310583	Not listed	Not listed
0001310583	Potassium hydroxide	1,000
0006132043	Not listed	Not listed
0007732185	Not listed	Not listed
0027176870	Not listed	Not listed
0027176870	Dodecylbenzenesulfonic acid	1,000
0068154972	Not listed	Not listed

Section 16: Other Information

Date of Issue: 10/30/1995

Date of Revision: 05/14/2015

Decon Laboratories, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. Decon Laboratories, Inc. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, Decon Laboratories, Inc. will not be responsible for damages resulting from the use of or reliance upon this information.

End of Safety Data Sheet