

Document	QL801-095
Revision	B
Prepared by	Denise Antonio
Approved by	Jenifer Ohta
Issue date	01/29/2019

[SDS] **C-Reactive Protein (CRP) Reagent Set**
 1268 N. Lakeview Ave. Anaheim, CA 92807 Phone: (714) 463-1111 Fax: (714) 463-1169 www.tecodiagnostics.com

Section 1 – Product and Company Information


Product Name	C-Reactive Protein (CRP) Reagent Set	Emergency Telephone No. CHEMTREC (800) 424-9300 International CHEMTREC (703) 527-3887
Catalog Number Product Type	CRP-100 Serology	
Company Name Street Address City, State, Zip Code, Country	Teco Diagnostics 1268 N. Lakeview Avenue Anaheim, CA 92807 USA	Company Telephone No. (800) 222-9880 or (714) 463-1111 Monday - Friday 8:00-4:30 PST Fax No. (714) 463-1169
Recommended Use: For in vitro diagnostic use only. For professional use only.		
Restrictions on Use: Not for in vivo use.		

Section 2 – Hazards Identification

Classification

Component	Classification
CRP Negative Control Sodium Hydroxide	This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Corrosive To Metals (Category 1), H290, Skin Corrosion (Category 1A), H314 Serious Eye Damage (Category 1), H318 Acute Aquatic Toxicity (Category 3), H402

Hazardous Component

Component	GHS Label elements, including precautionary statements	
Sodium Hydroxide	Pictogram Hazard Symbol	
	Signal Word	Danger
	Hazard Statements	H290 May Be Corrosive to Metals. H314 Causes Severe Skin Burns and Eye Damage. H318 Causes Serious Eye Damage. H402 Harmful to Aquatic Life.
	Precautionary Statements	P234 Keep Only in Original Container. P260 Do Not Breathe Dust or Mist. P264 Wash Skin Thoroughly After Handling. P273 Avoid Release to The Environment. P280 Wear Protective Gloves/ Protective Clothing/ Eye Protection/ Face Protection. P363 Wash Contaminated Clothing Before Reuse. P390 Absorb Spillage to Prevent Material Damage. P405 Store Locked Up. P406 Store in Corrosive Resistant Stainless-Steel Container with A Resistant Inner Liner. P501 Dispose of Contents/ Container to an Approved Waste Disposal Plant. P301 + P330 + P331 If Swallowed: Rinse Mouth. Do Not Induce Vomiting. P303 + P361 + P353 If on Skin (Or Hair): Take Off Immediately All Contaminated Clothing. Rinse Skin with Water/Shower. P304 + P340 + P310 If Inhaled: Remove Person to Fresh Air and Keep Comfortable for Breathing. Immediately Call A Poison Center or Doctor/ Physician. P305 + P351 + P338 + P310 If in Eyes: Rinse Cautiously with Water for Several Minutes. Remove Contact Lenses, If Present and Easy to Do. Continue Rinsing. Immediately Call A Poison Center or Doctor/ Physician.



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Hazards not otherwise Classified (HNOC): No data available

Section 3 – Composition/Information on Ingredients

Component	Type	Chemical Concentration	CAS#
CRP Negative Control	Mixture	Sodium Hydroxide, 10%	1310-73-2

Section 4 – First Aid Measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

Section 5 – Fire and Explosive Hazard Data

Extinguishing Media	Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific Hazards	In case of fire may be liberated: Sulphur Oxides
Special Protective Equipment and Advice for Firefighters	N/A

Section 6 – Accidental Release Measures

Procedure to be Followed in Case of Leak or Spill	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods for Cleaning Up and Disposal	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Handling	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Storage	Keep container tightly closed in a dry and well-ventilated place.

Section 8 – Exposure Controls / Personal Protection

Components with Workplace Control Parameters

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Quebec	Mexico OEL	Ontario TWAEV
Sodium Hydroxide	C: 2 mg/m ³	TWA: 2.000000 mg/m ³	C: 2.000000 mg/m ³	N/A	N/A	N/A

Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

Eye Protection	Face shield and safety glasses use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
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Skin Protection	<p>Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p>Full contact Material: nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatril (KCI 740, size M)</p> <p>Splash contact Material: nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatril (KCI 740, size M)</p> <p>If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.</p>
Body Protection	Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Other Protective Equipment	Ensure the eyewash station and/or safety shower is located near the work area.

Section 9 – Physical Data

Appearance	CRP Latex – milky blue color Positive Control – clear colorless liquid Negative Control – clear colorless liquid
Odor	No data available
Odor Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility	Soluble in water



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Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Section 10 – Stability and Reactivity

Reactivity	Reacts with test specimen
Chemical Stability	Stable under recommended conditions
Possibility of hazardous reactions	No data available
Conditions to Avoid	No data available
Incompatible materials	Strong oxidizing agents, strong acids, organic materials
Hazardous decomposition products	No data available

Section 11 – Toxicological Information

Route of Entry/Exposure	Effects
Acute Exposure	
Skin Contact	Causes severe burns
Eye Contact	Corrosive to eyes
Ingestion	No data available
Inhalation	No data available
Chronic Exposure	No data available

Toxicity

Component	Chemical	Acute Toxicity	Chronic Toxicity	Other Information
Negative Control	Sodium Hydroxide	Skin - Rabbit Result: Causes Severe Burns. - 24 H Eyes - Rabbit Result: Corrosive - 24 H	No data available	RTECS: WB4900000 Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Carcinogenicity: This table indicates whether which agency has listed any component as a carcinogen

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Section 12 – Ecological Information

Toxicity	Toxicity to Fish LC50 - Gambusia Affinis (Mosquito Fish) - 125 mg/L - 96 H LC50 - Oncorhynchus Mykiss (Rainbow Trout) - 45.4 mg/L - 96 H
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	Toxicity To Daphnia And Other Aquatic Invertebrates Immobilization EC50 - Daphnia (Water Flea) - 40.38 mg/L - 48 H
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Water hazards	No data available
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Section 13 – Disposal Considerations

Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated Packaging	Dispose of as unused product.

Section 14 – Transport Information

Component: Sodium Azide

UN Number	1823
UN Proper Shipping Name	SODIUM HYDROXIDE, SOLID
Transport Hazard Class	8
Packing Group	II
Environmental Hazards	No
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
DOT	UN Number: 1823 Class: 8 Packing Group: II Proper Shipping Name: SODIUM HYDROXIDE, SOLID Reportable Quantity (RQ): 1,000 lbs Poison Inhalation Hazard: No
IMDG	UN Number: 1823 Class: 8 Packing Group: II Proper Shipping Name: SODIUM HYDROXIDE, SOLID EmS-No.: F-A,S-B
IATA	UN Number: 1823 Class: 8 Packing Group: II Proper Shipping Name: SODIUM HYDROXIDE, SOLID
Special Precautions	N/A

Section 15 – Regulatory Information

HCS Classification	Not applicable
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Components	Acute Health Hazard
SARA 304 Components	No SARA HAZARDS
Clean Water Act 307	No data available
Clean Water Act 311	No data available
Clean Air Act 112	No data available
U.S. State – Illinois Right to Know	No data available
U.S. State – Massachusetts Right to Know	Sodium Hydroxide – CAS No. 1310-73-2
U.S. State – New Jersey Right to Know	Sodium Chloride – CAS No. 7647-14-5 Sodium Hydroxide – CAS No. 1310-73-2
U.S. State – Pennsylvania Right to Know	Sodium Chloride – CAS No. 7647-14-5



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	Sodium Hydroxide – CAS No. 1310-73-2
U.S. State – Rhode Island Right to Know	No data available
U.S. State – California Prop. 65	This product does not contain any chemicals known to state of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 – Other Information

This Product is labeled in accordance with CFR 21 (Food and Drugs), Section 809.10
The information contained herein has been compiled from data presented in various technical sources believed to be accurate. We make no warranties, express or implied, and assume no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary safety precautions.
N/A – Not Applicable or Not Available
Date of SDS Preparation: 01/29/2019