



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name REAGENT 3
Version # 01
Revision date 01-20-2010
CAS # Mixture
Product Code P20, P20C, P20R, P100, P100C, P100R
Product use The Platelet PGD Test is a rapid, qualitative immunoassay for the detection of aerobic and anaerobic Gram-positive and Gram-negative bacteria in • leukocyte reduced apheresis platelets (LRAP) as an adjunct quality control test following testing with a bacterial detection device cleared by the FDA for quality control testing of LRAP and • pools of up to six (6) units of leukocyte reduced and non-leukocyte reduced whole blood derived platelets that are pooled within four (4) hours of transfusion as a quality control test.

Manufacturer/Supplier Verax Biomedical Inc.
377 Plantation Street
Worcester , MA 01605
General Information: 1-866 948-3729

Emergency 24 Hour Emergency: 1-760-476-9362

2. Hazards Identification

Physical state Liquid.
Appearance Colorless, odorless liquid.
Emergency overview WARNING

Causes skin, eye and respiratory tract irritation. Harmful if swallowed.

OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

- Routes of exposure** Inhalation. Skin contact. Eye contact.
- Eyes** Causes eye irritation. May cause redness and pain.
- Skin** Causes skin irritation.
- Inhalation** Causes respiratory tract irritation.
- Ingestion** May cause discomfort if swallowed.

Target organs Eyes. Skin. Respiratory system.
Chronic effects No data available.
Potential environmental effects Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Dodecyltrimethyl(3-sulphonatopropyl)ammonium	14933-08-5	10-20
Sodium azide	26628-22-8	0.1-<1

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

Eye contact Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

Skin contact Remove contaminated clothes and rinse skin thoroughly with water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Inhalation Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly with water and give large amounts of milk or water, if person is conscious. Only induce vomiting at the instruction of medical personnel. If vomiting naturally occurs, keep head low (lean forward) so that stomach content doesn't get into the lungs. Get medical attention immediately.

Notes to physician

In case of shortness of breath, give oxygen. Keep victim warm.

General advice

In case of shortness of breath, give oxygen. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Fire Fighting Measures

Flammable properties

The product is not flammable.

Extinguishing media

Suitable extinguishing media

Use extinguishing agent suitable for type of surrounding fire.

Protection of firefighters

Protective equipment and precautions for firefighters

Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Special protective equipment for fire-fighters

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Specific methods

In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal precautions

Avoid inhalation of vapors and spray mist and contact with skin and eyes. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Stay upwind. Keep out of low areas. Keep people away from and upwind of spill/leak. Ventilate closed spaces before entering. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use Personal Protective Equipment recommended in Section 8 of the MSDS.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Should not be released into the environment.

Large Spills: Absorb spillage with suitable absorbent material. Collect in containers and seal securely. Containers with collected spillage must be properly labeled with correct contents and hazard symbol. Dike far ahead of liquid spill for later disposal.

Small Spills: Absorb spill with vermiculite or other inert material. Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

Never return spills to original containers for re-use.

7. Handling and Storage

Handling

Avoid inhalation of vapors and spray mist and contact with skin and eyes. All handling to take place in well-ventilated area. Use Personal Protective Equipment recommended in section 8 of the MSDS. Handle and open container with care. Wash thoroughly after handling. Observe good industrial hygiene practices.

Storage

Keep in a well-ventilated place. Keep container tightly closed. Keep this material away from food, drink and animal feed. Keep out of the reach of children. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components

Type

Value

Sodium azide (26628-22-8)

Ceiling
TWA

0.11 ppm
0.29 mg/m3

U.S. - OSHA

Components

Type

Value

Sodium azide (26628-22-8)

Ceiling

0.1 ppm

Components	Type	Value	
		0.3 mg/m3	
Canada - Alberta			
Components	Type	Value	Form
Sodium azide (26628-22-8)	Ceiling	0.11 ppm 0.29 mg/m3	Vapor.
Canada - British Columbia			
Components	Type	Value	Form
Sodium azide (26628-22-8)	Ceiling	0.11 ppm 0.29 mg/m3	Vapor.
Canada - Ontario			
Components	Type	Value	
Sodium azide (26628-22-8)	Ceiling	0.1 ppm 0.26 mg/m3	
Canada - Quebec			
Components	Type	Value	
Sodium azide (26628-22-8)	Ceiling	0.11 ppm 0.3 mg/m3	

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

Personal protective equipment

Eye / face protection Wear goggles/face shield.

Skin protection Wear appropriate chemical resistant clothing to prevent any possibility of skin contact. Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

Respiratory protection If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: Full face filter respirator.

General hygiene considerations When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Remove and isolate contaminated clothing and shoes. Handle in accordance with good industrial hygiene and safety practice. Launder contaminated clothing before reuse.

9. Physical & Chemical Properties

Appearance Colorless, odorless liquid.

Color Colorless.

Odor Odorless.

Odor threshold Not available.

Physical state Liquid.

Form Liquid.

pH 7.8 @ 20°C (68°F)

Melting point Not available.

Freezing point Not available.

Boiling point Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability Not available.

Flammability limits in air, upper, % by volume Not available.

Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Solubility (water)	Fully miscible
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Density	1.03 g/cm ³ @ 20°C (68°F)

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Excessive heat. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides. Nitrogen Oxides. Sulfur oxides.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological data

Components	Test Results
Sodium azide (26628-22-8)	Acute Dermal LD50 Rabbit: 20 mg/kg Acute Oral LD50 Rat: 27 mg/kg
Acute effects	Causes skin, eye and respiratory tract irritation. Harmful if swallowed.
Local effects	May cause redness and pain.
Sensitization	Not a skin sensitizer.
Chronic effects	No data available.
Carcinogenicity	Not classified.
ACGIH Carcinogens	
Sodium azide (CAS 26628-22-8)	A4 Not classifiable as a human carcinogen.
Epidemiology	Not available.
Mutagenicity	Not available.
Neurological effects	Not available.
Reproductive effects	Not available.
Teratogenicity	Not available.

12. Ecological Information

Ecotoxicological data

Components	Test Results
Sodium azide (26628-22-8)	EC50 Water flea (<i>Daphnia pulex</i>): 2.8 - 6.2 mg/l 48 Hours LC50 Bluegill (<i>Lepomis macrochirus</i>): 0.68 mg/l 96 Hours
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Aquatic toxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Persistence and degradability	No data available.
Bioaccumulation / Accumulation	No data available.
Partition coefficient (n-octanol/water)	Not available

Mobility in environmental media The product is water soluble and may spread in water systems.

13. Disposal Considerations

Disposal instructions Dispose of this material and its container at hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Dispose of in accordance with local regulations.

14. Transport Information

DOT

Not regulated as dangerous goods.

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Spill: Reportable quantity

Sodium azide (CAS 26628-22-8) 1000 LBS

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold Planning Quantity

Sodium azide (CAS 26628-22-8) 500 LBS

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Sodium azide (CAS 26628-22-8) 1.0 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Sodium azide (CAS 26628-22-8) Listed.

CERCLA (Superfund) reportable quantity (lbs)

Sodium azide: 1000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Drug Enforcement Agency (DEA) Not controlled

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status Controlled

WHMIS classification D2B - Other Toxic Effects-TOXIC

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

Sodium azide (CAS 26628-22-8) Listed.

US - Massachusetts RTK - Substance: Listed substance

Sodium azide (CAS 26628-22-8) Listed.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

Sodium azide (CAS 26628-22-8) 500 LBS

US - New Jersey RTK - Substances: Listed substance

Sodium azide (CAS 26628-22-8) Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Sodium azide (CAS 26628-22-8) Listed.

Mexico regulations This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information**HMIS® ratings**

Health: 2
Flammability: 0
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 0
Instability: 0

Disclaimer

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet (MSDS) and was prepared pursuant to Government regulation(s) that identify specific types of information to be provided. This MSDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. Additional information may be needed to evaluate other uses of the product, including use of the product in combination with any materials or in any processes other than those specifically referenced. Information provided herein with respect to any hazards that may be associated with the product is not meant to suggest that use of the product in a given application will necessarily result in any exposure or risk to workers or the general public. No responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product. Purchasers and users assume all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Purchasers and users of the product specifically should advise all of their employees, agents, contractors and customers who will use the product of this MSDS.

