

# MATERIAL HEALTH AND SAFETY DATA SHEET

Revised and reissued: February 2009

## I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: STAT-DRI PLUS

Product use: Rinse for dental instrumentation

Chemical name, synonyms: Liquid chemical mixture

Manufacturer: Signal Inc., 12 Carlaw Ave., Toronto, ON M4M 2R7

Telephones: Day 416-461-8181 Night emergency: CANUTEC 1-613-996-6666

WHMIS Classification: not controlled

TDG Act Classification: not applicable

MSDS prepared by: Health, Safety and Environmental Dept.

## II. COMPOSITION/INFORMATION ON INGREDIENTS:

Weight %	Component	CAS Registry No.
80 - 90	Water	007732-18-5
0.1 - 0.5	Citric acid	77-92-9
0.1 - 0.3	Phosphoric acid	7664-38-2
1 - 3	Nonyloxypolyethyleneoxyethanol	60828-78-6

## III. HAZARDS IDENTIFICATION

Expected to be a low health hazard for recommended handling.

HMIS Hazard Rating:

Health - 1, Flammability - 1, Reactivity - 0, Personal protection - A

NFPA Hazard Rating:

Health - 1, Flammability - 1, Reactivity (Stability) - 0

NOTE: HMIS and NFPA hazard indexes involve data review and interpretation that may vary among companies. They are intended only for general, rapid identification of any potential hazard. To adequately address safe handling, all information in this MSDS must be considered.

## IV. FIRST AID MEASURES:

Inhalation: If symptomatic, move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eyes: Immediately flush with plenty of water for at least 15 min. Get medical attention.

Skin contact: Wash with soap and water. Get medical attention if symptoms occur.

Ingestion: Drink 1 - 2 glasses of water. Seek medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

## V. FIRE FIGHTING MEASURES

The material is generally not flammable. In case of surrounding fire, proceed as follows:

Extinguishing media: Water spray, carbon dioxide, dry chemical, alcohol foam

Special fire-fighting procedures: Wear self-containing breathing apparatus and protective clothing.

Hazardous combustion products: carbon dioxide, carbon monoxide

Unusual fire and explosion hazards: None

## VI. ACCIDENTAL RELEASE MEASURES

Flush to approved sewer with large amounts of water. Otherwise, absorb spill with vermiculite or other inert material. Then place in container for chemical waste.

## VII. HANDLING AND STORAGE

Personal precautionary measures: Avoid contact with eyes and prolonged or repeated contact with skin. Use with adequate ventilation. Wash thoroughly after handling.

Prevention of fire and explosion: Keep away from contact with oxidizing materials.

Storage: Keep container closed, store under room temperature.

## VIII. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure limits: Not established

Ventilation: Good general ventilation, typically 7 - 10 air changes per hour should be used. Ventilation rates should be matched to conditions.

Respiratory protection: None should be needed.

Eye protection: Wear safety glasses with side shields, or goggles.

Skin protection: It is a good industrial hygiene practice to minimize skin contact. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Recommended decontamination facilities: Eye bath, washing facilities, safety shower.

#### IX. PHYSICAL AND CHEMICAL PROPERTIES:

Physical form: liquid

Color: Colorless

Odor: Odorless

Specific gravity: 1.05

Vapour pressure at 20 deg.C : 24 mbar (18 mm Hg)

Volatile fraction by weight: 15 - 20%

Boiling point: over 100 deg.C

Solubility in water: Complete

pH: 3 - 3.5

Flash point: none

#### X. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong oxidizing agents, strong alkalis

Hazardous polymerization: Will not occur

#### XI. TOXICOLOGICAL INFORMATION

Effects of exposure:

Inhalation: Expected to be a low hazard for recommended handling

Eyes: Causes irritation

Skin: Prolonged or repeated contact may cause irritation

Ingestion: May be harmful if swallowed. May cause adverse reactions in gastrointestinal tract.

#### XII. ECOLOGICAL INFORMATION

Potential toxicity to fish, daphnia (daphnid), algae (algal blooms): not established

Organics readily degradable (over 70%): yes (7 days)

Potential bioaccumulation: Low POW < 1

COD, BOD5 in g/L: Not established

Potential toxicity to waste treated microorganisms EC 50 (mg/L): Not available

#### XIII. DISPOSAL CONSIDERATIONS

Discharge, treatment of disposal may be subject to federal, provincial/territorial/state or municipal laws. Flush to approved sewer with large amounts of water.

#### XIV. REGULATORY/TRANSPORT INFORMATION

WHMIS Classification : not controlled

Classification under TDG Act: Non-dangerous commodity

Carcinogenicity classification:

IARC (International Agency for Research of Cancer) - none

ACGIH (American Conference of Governmental Hygienists) - none

NTP (National Toxicology Program) - none

OSHA (Occupational Safety and Health Administration) - none

Chemicals subject to Sec. 313 or Title III of SARA (Superfund Amendments and Reauthorization Act) 1986 - none

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The information contained in here is based upon data obtained from the most updated recognized technical sources and is believed to be accurate to the best of our knowledge. As knowledge about properties of individual product components develops continually, the present information should not be considered completely exhaustive. Users should consider these data as a concise summary to their own gathered information. They are encouraged to make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials as well as health and safety of employees and customers and the protection of environment.

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