

# Material Safety Data Sheet

Date prepared : 2011/12/05

## 1. Product and company identification

Product name : StayClean-A

Product code : StayClean-A

### Company identification

Name of supplier : Disco Corporation

Postal/ZIP Code : 143-8580

Address : 13-11 Omori-Kita 2-chome, Ota-ku, Tokyo

Department responsible : Environmental Management Office

Telephone number : +81-3-4590-1083

Fax number : +81-3-4590-1188

## 2. Hazards identification

GHS classification : Not available GHS classification

Physical hazards

None

Health hazards

None

Environment hazards

None

Hazard communication elements

Symbol : None

Signal words : None

Hazard statement : None

Precautionary statements

Prevention : Do not handle until all safety precautions have been read and understood.

Response : None

Storage : Protect from sunlight and store container tightly closed in well-ventilated place.

Disposal : Dispose of contents/container in accordance with local/ regional/ national/ international regulation.

## 3. Composition/information on ingredients

Substance or Mixture : mixture

The common chemical name or the generic name :	Nonionic surfactant	Water soluble polymer	pH adjuster
CAS number :	Trade secret	Trade secret	Trade secret
Concentration and concentration range :	1.0%-5.0%	1.0%-5.0%	1.0%
Chemical formula or structural formula :	—	—	—

The common chemical name or the generic name :	Water
CAS number :	7732-18-5
Concentration and concentration range :	89%-97%
Chemical formula or structural formula :	H <sub>2</sub> O

#### 4. First aid measure

**SKIN CONTACT :**

- Remove contaminated clothing immediately.
- Wash skin with soap and water. If irritation occurs, get medical attention.

**EYE CONTACT :**

- Immediately flush with large quantities of clean water for at least 15 minutes and call a physician.

**INHALATION :**

- Not expected to present a significant inhalation hazard under anticipated conditions of normal

**INGESTION :**

- Get medical attention. In case of unconsciousness, don't induce vomiting.

**NOTE TO PHYSICIAN :**

- None.

#### 5. Fire fighting measures

**FLAMMABLE PROPERTIES :**

- Flash point and Method °F(°C) : Not applicable.
- Flammable Limits (% by volume) : Not applicable.
- Autoignition Temperature °F (°C) : Not applicable.

**EXTINGUISHING MEDIA :**

- StayClean-A is nonflammable product (contains sufficient quantity of water).

**SPECIAL FIRE-FIGHTING PROCEDURES :**

- StayClean-A is nonflammable product (contains sufficient quantity of water).

**FIRE-FIGHTING INSTRUCTIONS :**

- StayClean-A is nonflammable product (contains sufficient quantity of water).

**HAZARDOUS DECOMPOSITION PRODUCTS :**

- Smoke, fumes and oxides of carbon.

**TO FIREMEN :**

- Firemen should wear normal protective equipment ( full bunker gear ) and positivepressure self-contained breathing apparatus.

#### 6. Accidental release measures

**LARGE SPILL :**

- Prevent the spilt liquid from spreading by the use of sand or earth. Transfer the liquid to a salvage tank if possible. Incinerate or place in a suitable container for disposal by a licensed contractor. (Follow all Federal, State and local regulations in your country.)

**SMALL SPILL :**

- Sweep up or vacuum and place into sealable container for disposal with wearing protective equipment. (See section 8.)

## 7. Handling and storage

### Handling

- Remove all sources of ignition.
- Utilize recommended protective equipment.

### Storage

- Keep away from heat, sparks and open flame.
- Keep container closed and store in a cool and dark place (32–77° F : 0–25°C).

## 8. Exposure controls/personal protection

### ENGINEERING CONTROLS :

- Utilize a closed system process where feasible.

### PERSONAL PROTECTIVE EQUIPMENT

#### RESPIRATORY PROTECTION :

- If vapors, mists, or aerosols are generated, wear a NIOSH/OSHA approved respirator.

#### EYE PROTECTION :

- Chemical safety glasses.

#### SKIN PROTECTION :

- Chemical resistant gloves.

#### BODY PROTECTION :

- Wear overall and closed footwear.

### SPECIAL PROTECTION INFORMATION :

- Avoid a prolonged or repeated contact.

## 9. Physical and chemical properties

APPEARANCE : Clear liquid

ODOR : Slight odor

BOILING POINT °F(°C) : 212(100)

MELTING POINT / FREEZING POINT °F(°C) : 16(-9)

VAPOR PRESSURE : No data available.

SOLUBILITY IN WATER : Complete

SPECIFIC GRAVITY : 1.01 at 77° F(25°C)

pH : 7.5 – 9.5 (2.5%aq.)

VISCOSITY : 2mPa·s at 77° F(25°C)

VAPOR DENSITY (air=1) : No data available.

EVAPORATION RATE : No data available.  
(n-Butylacetate=1)

## 10. Stability and reactivity

### CHEMICAL STABILITY :

- Stable under normal conditions.

### SUBSTANCES TO AVOID CONTAMINATION :

- Strong oxidizing agents.

### HAZARDOUS REACTION AND FIRE DANGER :

- No risk of specific hazardous reactions or fire under normal conditions

### PRODUCTS CAUSING HAZARDOUS DECOMPOSITION :

- Aldehydes, carbon monoxide or carbon dioxide.

## 11. Toxicological information

### EYE EFFECTS :

- No data available, but may cause eye irritation.

### SKIN EFFECTS :

- No data available, but may cause skin irritation.

### ACUTE ORAL EFFECTS :

- No data available.

### ACUTE INHALATION EFFECTS :

- No data available.

### CHRONIC EFFECTS / CARCINOGENICITY :

- This product is not known or reported to be chronic and carcinogenic properties by any reference sources including EU, IARC, OSHA, NTP or EPA.

### MUTAGENICITY :

- This product is not known or reported to be mutagenic properties by any reference sources including EU, IARC, OSHA, NTP or EPA.

### OTHERS :

- No relevant information found.

## 12. Ecological information

### BIODEGRADABILITY :

- No data available.

### BIOACCUMULATION :

- No data available.

### FISH TOXICITY :

- No data available.

### OTHERS :

- BOD 62mg/l (0.1%aq)
- COD 56mg/l (0.1%aq)

## 13. Disposal considerations

### DISPOSAL INFORMATION :

- Should be in accordance with local, state or national legislation.

## 14. Transport information

### UN No. :

- Free

### IMDG CODE :

- Free

### MARINE POLLUTANT :

- Free

## 15. Regulatory information

### U. S. FEDERAL REGULATION :

TSCA (TSCA INVENTORY) : registered

SARA TITLE : SECTION 313 TOXIC CHEMICALS None

### INTERNATIONAL INFORMATION :

CEPA : DSL registered

REACH(EU) : If you require information, please contact us.

## 16. Other information

### RATING

#### HMIS :

HEALTH ; 1  
FLAMMABILITY ; 0  
REACTIVITY ; 1  
PERSONAL PROTECTIVE EQUIPMENT ; C

#### NFPA :

HEALTH HAZARD ; 1  
FLAMMABILITY ; 0  
REACTIVITY ; 1  
SPECIFIC HAZARD ; NONE

#### Other :

- To the best of our knowledge, the information contained herein is accurate. However, neither Disco Corporation nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.