

Material Safety Data Sheet

Justeq07

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

PRODUCT NAME Justeq07
CHEMICAL DESCRIPTION Alkaline antimicrobial solution
SUPPLIER Justeq, LLC
2871 Crimson Court
Northbrook, IL 60062

EMERGENCY TELEPHONES:

NON-EMERGENCY INFORMATION 847-656-8626
24 HOUR MEDICAL EMERGENCY CHEMTREC 800-424-9300
24 HOUR SHIPPING EMERGENCY CHEMTREC 800-424-9300

NFPA 704M/HMIS Rating:

3/3 HEALTH 0/0 FLAMMABILITY 1/1 REACTIVITY 0 OTHER
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

2. COMPOSITION/INFORMATION ON INGREDIENT

Our hazard evaluation has identified the following chemical ingredients as hazardous under OSHA's Hazard Communication Rule, 29 CFR 1910.1200.

NAME	CAS NO	% (W/W)
Sodium Hydroxide	1310-73-2	1.0 – 10.0
Sodium Hypochlorite	7681-52-9	6.0 – 8.0

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER: Corrosive. Causes severe eye and skin injury. Harmful if inhaled. Harmful if swallowed. Do not get in eyes, on skin or clothing. Wear goggles and face shield and rubber gloves when handling.

Remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

PRIMARY ROUTES OF EXPOSURE: Eye, Skin, Inhalation

EYE CONTACT:

Corrosive. Will cause eye burns and may cause permanent tissue damage.

SKIN CONTACT:

May cause severe irritation or tissue damage depending on the length of exposure and the type of first aid administered.

INGESTION:

Corrosive; causes chemical burns to the mouth, throat and stomach.

INHALATION:

Irritating, in high concentrations, to the eyes, nose, throat and lungs.

4. FIRST-AID MEASURES

INHALATION:

Remove victim immediately from source of exposure.

Provide rest, warmth and fresh air.

If breathing stops, provide artificial respiration.

Get medical attention.

INGESTION:

Do not induce vomiting.

Rinse mouth thoroughly.

Drink lots of water.

Get medical attention.

SKIN CONTACT:

Immediately remove contaminated clothing.

Rinse immediately with plenty of water.

Continue to rinse for at least 15 minutes.

Get medical attention if irritation persists after washing.

EYE CONTACT:

Rinse the eye with water immediately.

Continue to rinse for at least 15 minutes.
Contact physician if irritation persists.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

No unusual fire and explosion hazards noted.

SPECIFIC HAZARDS:

Toxic gases/ vapors/ fumes of chlorine.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Restrict access to area as appropriate until clean-up operations are complete.

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS:

Do not discharge into drains, watercourses or onto the ground.

SPILL CLEAN UP METHODS:

Absorb in vermiculite, dry sand or earth and place into containers.

Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

7. HANDLING AND STORAGE

HANDLING:

Do not get in eyes, on skin, on clothing.

Do not take internally.

Use with adequate ventilation.

Avoid generating aerosols and mists.

Keep the containers closed when not in use.

Have emergency equipment (for fires, spills, leaks, etc.) readily available.

STORAGE CONDITIONS:

Store the containers tightly closed.

Store away from incompatible materials.

Store in suitable labeled containers.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING MEASURES:

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT:

If ventilation is insufficient, suitable respiratory protection must be provided. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory with combination filter (type A2/P2)

HAND PROTECTION:

Selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances.

It has found that gloves made from rubber, neoprene or PVC provide short term splash protection.

EYE PROTECTION:

Use safety goggles and face shield in case of splash risk.

OTHER PROTECTION:

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

HYGIENE MEASURES:

Provide shower facilities near the work place.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Light Yellow
ODOR	Slight Chlorine

SPECIFIC GREVITY 1.20 - 1.30

PH 12.5 - 13.7

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID:

Do not mix Justeq07 with other chemicals. Justeq07 should never be mixed with any amount of bleach. The resulting reaction is violently exothermic and will severely damage any non-metal bulk tanks.

Avoid excessive heat for prolonged period of time.

Avoid contact with strong reducing agents.

Avoid contact with acids.

HAZARDOUS POLYMERIZATION:

Will not polymerize.

HAZARDOUS DECOMPOSITION PRODUCTS:

Toxic gases/ vapors/ fumes of: Chlorine.

11. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Absorb in vermiculite or dry sand, dispose in licensed special waste.

Do not allow runoff to sewer, waterway or ground.

Dispose of waste and residues in accordance with local authority requirements.

12. SHIPPING INFORMATION

Proper shipping name: Hypochlorite Solution

Hazard class: 8

ID number: UN1791

Label/placard: Corrosive

Packing group: III

13. OTHER INFORMATION

REVISION COMMENTS:

MATERIAL SAFETY DATA SHEET STATUS:

Approved.

DATE: 05/26/2009

Prepared by: Sang-Hea Shim

For safety reason it is IMPERATIVE that customers:

1. Ensure that all those who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions and warnings contained therein.
2. Consult Justeq, LLC before using or supplying the product for any other applications.

The information contained herein is based on the present state of our knowledge and is intended to describe our product from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.