

Johnson & Johnson Medical MICROSHIELD* Handwash

Chemwatch Material Safety Data Sheet

Issue Date: 1-Mar-2006

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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

MICROSHIELD Handwash

SYNONYMS

Wash Lotion, Manufacturer's Code: 61392, 61224 and 60238

PRODUCT USE

Liquid hand, face and body washing.

SUPPLIER

Company: Johnson & Johnson Medical Pty Ltd

Address:

1-5 Khartoum Road

North Ryde

NSW, 2113

AUS

Telephone: +61 2 9878 9000

Telephone: 1800 257 210

Emergency Tel: 13 11 26

Emergency Tel: +64 3 474 7000 NZ

Fax: 1800 808 233

Company: Johnson & Johnson Medical Pty Ltd

Address:

PO Box 134

North Ryde

NSW, 2113

AUS

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

POISONS SCHEDULE

None

RISK

None under normal operating conditions.

SAFETY

Do not breathe gas/fumes/vapour/spray.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| NAME | CAS RN | % |
|----------------------------------|-----------|------|
| ethoxylated and sulfated alcohol | | 0-10 |
| fatty acid diethanolamide | | 0-10 |
| sodium chloride | 7647-14-5 | 0-10 |
| glycol ester | | 0-10 |
| imidazole, sodium derivative | 5587-42-8 | 0-10 |
| methyl paraben | 99-76-3 | 0-10 |

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Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| | | |
|---|-----------|------|
| propyl paraben | 94-13-3 | 0-10 |
| aliphatic acid | | 0-10 |
| fragrance | | 0-10 |
| water | 7732-18-5 | >30 |
| No further ingredient information supplied. | | |

Section 4 - FIRST AID MEASURES

SWALLOWED

- If swallowed do NOT induce vomiting.
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- Seek medical advice.

EYE

- If this product comes in contact with the eyes:
- Wash out immediately with fresh running water.
 - Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
 - If pain persists or recurs seek medical attention.
 - Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

SKIN

- No adverse effects anticipated from normal use.
- If irritation occurs, wash affected areas with warm water and soap, discontinue use.
- If irritation continues, seek medical attention.

INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

NOTES TO PHYSICIAN

Treat symptomatically.

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

FIRE FIGHTING

- Use water delivered as a fine spray to control fire and cool adjacent area.
- Do not approach containers suspected to be hot.
- Cool fire exposed containers with water spray from a protected location.

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Section 5 - FIRE FIGHTING MEASURES

- If safe to do so, remove containers from path of fire.
- Equipment should be thoroughly decontaminated after use.

FIRE/EXPLOSION HAZARD

- Non combustible.
- Not considered to be a significant fire risk.
- Expansion or decomposition on heating may lead to violent rupture of containers.
- Decomposes on heating and may produce toxic fumes of carbon monoxide (CO).
- May emit acrid smoke.

Other decomposition products include.

carbon dioxide (CO₂) and nitrogen oxides (NO_x).

FIRE INCOMPATIBILITY

Avoid contamination with strong oxidising agents as ignition may result.

HAZCHEM

None

Personal Protective Equipment

Breathing apparatus.

Gas tight chemical resistant suit.

Limit exposure duration to 1 BA set 30 mins.

Section 6 - ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

MINOR SPILLS

Slippery when spilt.

Clean up all spills immediately.

Wipe up.

Place in clean drum then flush area with water.

MAJOR SPILLS

Slippery when spilt.

Minor hazard.

- Clear area of personnel.
- Alert Fire Brigade and tell them location and nature of hazard.
- Control personal contact by using protective equipment as required.
- Prevent spillage from entering drains or water ways.
- Contain spill with sand, earth or vermiculite.
- Collect recoverable product into labelled containers for recycling.
- Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal.
- Wash area and prevent runoff into drains or waterways.
- If contamination of drains or waterways occurs, advise emergency services.

EMERGENCY RESPONSE PLANNING GUIDELINES (ERPG)

The maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to one hour WITHOUT experiencing or developing

life-threatening health effects is:

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Section 6 - ACCIDENTAL RELEASE MEASURES

sodium chloride 500 mg/m³
water 500 mg/m³

irreversible or other serious effects or symptoms which could impair an individual's ability to take protective action is:

sodium chloride 300 mg/m³
water 500 mg/m³

other than mild, transient adverse effects without perceiving a clearly defined odour is:

sodium chloride 40 mg/m³
water 500 mg/m³

The threshold concentration below which most people will experience no appreciable risk of health effects:

sodium chloride 15 mg/m³
water 500 mg/m³

American Industrial Hygiene Association (AIHA)

Ingredients considered according to the following cutoffs

| | | | |
|-----------------|----------|---------------|---------|
| Very Toxic (T+) | >= 0.1% | Toxic (T) | >= 3.0% |
| R50 | >= 0.25% | Corrosive (C) | >= 5.0% |
| R51 | >= 2.5% | | |
| else | >= 10% | | |

where percentage is percentage of ingredient found in the mixture

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING BULK OR LARGE QUANTITIES

- Limit all unnecessary personal contact.
 - Wear protective clothing when risk of exposure occurs.
 - Use in a well-ventilated area.
 - When handling DO NOT eat, drink or smoke.
 - Always wash hands with soap and water after handling.
 - Avoid physical damage to containers.
 - Use good occupational work practice.
 - Observe manufacturer's storing and handling recommendations.
- Avoid production of aerosols.

SUITABLE CONTAINER

- Plastic container.
Polylined drum.
- Check that containers are clearly labelled.
- Packaging as recommended by manufacturer.

STORAGE INCOMPATIBILITY

- Avoid storage with oxidisers.

STORAGE REQUIREMENTS

- Store in original containers.

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Section 7 - HANDLING AND STORAGE

- Keep containers securely sealed.
 - Store in a cool, dry, well-ventilated area.
 - Store away from incompatible materials and foodstuff containers.
 - Protect containers against physical damage and check regularly for leaks.
 - Observe manufacturer's storing and handling recommendations.
- Keep cool. Store below 25 deg.C.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

| Source | Material | TWA ppm | TWA mg/m ³ | STEL ppm | STEL mg/m ³ | Peak ppm | Peak mg/m ³ |
|------------------------------|--|------------|--------------------------|-------------|---------------------------|-------------|---------------------------|
| Australia Exposure Standards | Inspirable dust (Not specified) | | 10 | | | | |
| Australia Exposure Standards | Inspirable dust (Not specified) | | 10 | | | | |
| Australia Exposure Standards | Inspirable dust (Not specified) | | 10 | | | | |
| Australia Exposure Standards | Inspirable dust (Not specified) | | 10 | | | | |
| No data available: | sodium chloride as (CAS: 7647-14-5) | | | | | | |
| No data available: | imidazole, sodium derivative as (CAS: 5587-42-8) | | | | | | |
| No data available: | methyl paraben as (CAS: 99-76-3) | | | | | | |
| No data available: | propyl paraben as (CAS: 94-13-3) | | | | | | |
| No data available: | water as (CAS: 7732-18-5) | | | | | | |

None assigned. Refer to individual constituents.

EXPOSURE STANDARDS FOR MIXTURE

"Worst Case" computer-aided prediction of spray/ mist or fume/ dust components and concentration:

"Worst Case" computer-aided prediction of spray/ mist or fume/ dust components and concentration:
Composite Exposure Standard for Mixture (TWA) :100 mg/m³.

INGREDIENT DATA

SODIUM CHLORIDE:

No data for sodium chloride.

For each of the following

IMIDAZOLE, SODIUM DERIVATIVE:

PROPYL PARABEN:

These "dusts" have little adverse effect on the lungs and do not produce toxic effects or organic disease. Although there is no dust which does not evoke some cellular response at sufficiently high concentrations, the cellular response caused by P.N.O.C.s has the following characteristics:

- the architecture of the air spaces remain intact,
- scar tissue (collagen) is not synthesised to any degree,
- tissue reaction is potentially reversible.

Extensive concentrations of P.N.O.C.s may:

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Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

- seriously reduce visibility,
- cause unpleasant deposits in the eyes, ears and nasal passages,
- contribute to skin or mucous membrane injury by chemical or mechanical action, per se, or by the rigorous skin cleansing procedures necessary for their removal. [ACGIH]

This limit does not apply:

- to brief exposures to higher concentrations
- nor does it apply to those substances that may cause physiological impairment at lower concentrations but for which a TLV has as yet to be determined.

This exposure standard applies to particles which

- are insoluble or poorly soluble* in water or, preferably, in aqueous lung fluid (if data is available) and
- have a low toxicity (i.e. are not cytotoxic, genotoxic, or otherwise chemically reactive with lung tissue, and do not emit ionizing radiation, cause immune sensitization, or cause toxic effects other than by inflammation or by a mechanism of lung overload).

METHYL PARABEN:

No data for methyl paraben.

WATER:

No exposure limits set by NOHSC or ACGIH.

PERSONAL PROTECTION

EYE

No special equipment for minor exposure i.e. when handling small quantities.

- OTHERWISE:

- Safety glasses with side shields.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].

HANDS/FEET

No special equipment needed when handling small quantities.

OTHERWISE: Wear chemical protective gloves, eg. PVC.

OTHER

No special equipment needed when handling small quantities

OTHERWISE:

- Overalls
- Eyewash unit.

RESPIRATOR

Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant.

Protection Factors (defined as the ratio of contaminant outside and inside the

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Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

mask) may also be important.

| Breathing Zone Level ppm (volume) | Maximum Protection Factor | Half-face Respirator | Full-Face Respirator |
|---|------------------------------|-------------------------|-------------------------|
| 1000 | 10 | -AUS P | - |
| 1000 | 50 | - | -AUS P |
| 5000 | 50 | Airline * | - |
| 5000 | 100 | - | -2 P |
| 10000 | 100 | - | -3 P |
| | 100+ | | Airline** |

* - Continuous Flow ** - Continuous-flow or positive pressure demand.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required.

For further information consult site specific CHEMWATCH data (if available), or your Occupational Health and Safety Advisor.

ENGINEERING CONTROLS

None under normal operating conditions.

Provide adequate ventilation in warehouse or closed storage areas.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Milky, viscous liquid with a floral fragrance; dispersible in water.

PHYSICAL PROPERTIES

Liquid.

Mixes with water.

Molecular Weight: Not Applicable

Melting Range (C): Not Available

Solubility in water (g/L): Miscible

pH (1% solution): Not Available

Volatile Component (%vol): Not Available

Relative Vapour Density (air=1): Not Available

Lower Explosive Limit (%): Not Applicable

Autoignition Temp (C): Not Available

State: Liquid

Boiling Range (C): Not Available

Specific Gravity (water=1): 1.015

pH (as supplied): 7.0

Vapour Pressure (kPa): Not Available

Evaporation Rate: Not Available

Flash Point (C): Not Applicable

Upper Explosive Limit (%): Not Applicable

Decomposition Temp (°C): Not Available

Viscosity: Not Available

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.
- Hazardous polymerisation will not occur.

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Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

Considered an unlikely route of entry in commercial/industrial environments. Ingestion may result in nausea, abdominal irritation, pain and vomiting and diarrhoea.

EYE

The liquid may produce eye discomfort causing transient smarting, blinking.

SKIN

Not considered to cause discomfort through normal use.

INHALED

Not normally a hazard due to non-volatile nature of product. Inhalation of aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful.

CHRONIC HEALTH EFFECTS

Principal hazards are accidental eye contact and cleaner overuse. Overuse or obsessive cleaner use may lead to defatting of the skin and may cause irritation, drying, cracking, leading to dermatitis. One of the constituents of the product has produced skin sensitisation reactions in either experimental animals and/or humans. Such reactions may be manifested as a localised reddening and/or urticaria (a hive-like asthma-like symptoms (shortness of breath, difficult breathing) and/or rhinitis (runny nose). This finding, however, remains speculative as the constituent has not been shown to raise specific antibodies in the blood in the same way as other confirmed allergens. The finding may also be confined to certain hypersensitive (atopic) individuals who show heightened reactions to other allergens such as pollen.

TOXICITY AND IRRITATION

Not available. Refer to individual constituents.
unless otherwise specified data extracted from RTECS - Register of Toxic Effects of Chemical Substances

SODIUM CHLORIDE:

TOXICITY

Oral (rat) LD50: 3000 mg/kg
Oral (human) TDLo: 12357 mg/kg/23d
Oral Lowest Toxic Dose (Human): 8.2 mg/kg Eye
(rabbit): 100 mg/24h - Moderate

IRRITATION

Skin (rabbit): 500 mg/24h - Mild
Eye (rabbit): 10 mg - Moderate

IMIDAZOLE, SODIUM DERIVATIVE:

No significant acute toxicological data identified in literature search.

METHYL PARABEN:

TOXICITY

Oral (mouse) LD50: 2100 mg/kg

IRRITATION

Nil Reported [Manufacturer]

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Section 11 - TOXICOLOGICAL INFORMATION

PROPYL PARABEN:

No significant acute toxicological data identified in literature search.

WATER:

No significant acute toxicological data identified in literature search.

Section 12 - ECOLOGICAL INFORMATION

Refer to data for ingredients, which follows:

SODIUM CHLORIDE:

TLm 96 > 1000 ppm

Section 13 - DISPOSAL CONSIDERATIONS

- Recycle wherever possible or consult manufacturer for recycling options.
- Consult State Land Waste Management Authority for disposal.
- Bury residue in an authorised landfill.
- Recycle containers if possible, or dispose of in an authorised landfill.

Section 14 - TRANSPORTATION INFORMATION

HAZCHEM

None

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:UN,IATA,IMDG

Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE

None

REGULATIONS

sodium chloride (CAS: 7647-14-5) is found on the following regulatory lists;
Australia Inventory of Chemical Substances (AICS)
OECD Representative List of High Production Volume (HPV) Chemicals

No regulations applicable

methyl paraben (CAS: 99-76-3) is found on the following regulatory lists;
Australia Inventory of Chemical Substances (AICS)
International Council of Chemical Associations (ICCA) - High Production Volume
List

propyl paraben (CAS: 94-13-3) is found on the following regulatory lists;
Australia Inventory of Chemical Substances (AICS)

water (CAS: 7732-18-5) is found on the following regulatory lists;

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Section 15 - REGULATORY INFORMATION

Australia Inventory of Chemical Substances (AICS)

OECD Representative List of High Production Volume (HPV) Chemicals

No data available for imidazole, sodium derivative as CAS: 5587-42-8.

Section 16 - OTHER INFORMATION

Denmark Advisory list for selfclassification of dangerous substances

| Substance | CAS | Suggested codes |
|------------------------------|-----------|-----------------|
| imidazole, sodium derivative | 5587-42-8 | Xn;R22 |

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