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MATERIAL SAFETY DATA SHEET

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This MSDS has been prepared by 3M Australia Pty Ltd Toxicology Dept.

1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME
 3M(TM) AVAGARD(TM) 9250 ANTISEPTIC HAND RUB with CHG 0.5%w/v

DIVISION
 DG - Infection Prevention Division

3M Product ID
 AH-1000-1000-0, AH-1000-1001-8

RECOMMENDED USE: Hand cleanser. For professional use only.

2 HAZARDS IDENTIFICATION

NOTE: DANGEROUS GOODS. NON-HAZARDOUS SUBSTANCE.

POISONS SCHEDULE
 This product has not been assessed for poisons scheduling as the product is intended for professional use only.

Risk Codes and Phrases
 R10 Flammable.
 3M R3311 Contains CHLORHEXIDINE DIGLUCONATE.
 3M R1100 May produce an allergic reaction.

3 COMPOSITION

Ingredient Name	CAS number	Percentage
ETHYL ALCOHOL	64-17-5	40 - 70
WATER	7732-18-5	20 - 40
CHLORHEXIDINE DIGLUCONATE	18472-51-0	0.1 - 1.0
FRAGRANCE	---	0.1 - 1.0

4 FIRST AID MEASURES

EYE CONTACT
 Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

SKIN CONTACT

No need for first aid is anticipated. Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

INHALATION

Remove person to fresh air. If signs/symptoms develop, get medical attention.

IF SWALLOWED

Do not induce vomiting unless instructed to do so by medical personnel. Give person two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

EXPOSURE HAZARDS DURING FIRE

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Unusual Fire and Explosion Hazards

Flammable liquid and vapour.

FIRE FIGHTING PROCEDURES

Wear full protective equipment (Turnout Gear) and a self-contained breathing apparatus (SCBA). Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

Combustion Products from Fire

Combustion Products from Fire are listed in Section 10, STABILITY AND REACTIVITY.

Unusual Reaction Hazard

None

HAZCHEM CODE

*2YE

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Spill Response

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inert absorbent material. Mix in sufficient absorbent until it appears dry. Seal the container. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up

by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only

non-sparking tools. Ventilate area with fresh air. For large spills, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good occupational hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An alcohol resistant foam is recommended. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with detergent and water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

7 HANDLING AND STORAGE

Incompatibility - Materials to Avoid

Store away from acids. Store away from heat. Store out of direct sunlight. Store away from oxidising agents.

Fire Avoidance

No smoking while handling this material.

Explosion Avoidance

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

Static Prevention

Avoid static discharge.

Precautions for Safe Handling

Avoid eye contact. Keep container tightly closed. Avoid contact with oxidising agents.

Conditions for Safe Storage

Store below 25 Degrees C.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ETHYL ALCOHOL (64-17-5)

NATIONAL EXPOSURE STANDARDS: TWA: 1000ppm, 1880 mg/m3. IARC Group 1.

Special Information, Exposure/Protection

The extent to which the following recommendations for exposure control and protection are observed should depend on the risk assessment undertaken for the specific conditions under which this product is used, including occupational hygiene measurements.

Eye Protection

Avoid eye contact.

Hand Protection

Not applicable.

Respiratory Protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

Prevention of Accidental Ingestion

Do not ingest. Keep out of the reach of children.

Recommended Ventilation

Use in a well ventilated area.

9 PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odour	Pale pink liquid with fragrant odour.
pH	7 - 9
Boiling point	78 C
Melting point	Not determined
Flash point	22 C
Autoignition temperature	Not determined
Vapour pressure	44 mmHg
Water Solubility	Complete
Specific gravity	0.85 - 0.9
Vapour density	Not determined
Volatile organic compounds (VOC) content	Approx. 59 %
Evaporation rate	Not determined
Viscosity	Not determined
Flammable Limits - LEL	3.5 % VOL
Flammable Limits - UEL	19 % VOL
Percent Volatile	Approx. 98 %

10 STABILITY AND REACTIVITY

Materials to Avoid

Strong Acids. Strong Oxidising Agents. Heat. Sparks and/or Flames.

Conditions to Avoid

Strong Alkalies

Hazardous Decomposition Products

Hydrocarbons. Carbon Monoxide. Carbon Dioxide.

Stability

Hazardous polymerisation will not occur. Stable.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact

Moderate Eye Irritation: Signs/symptoms can include redness, swelling, pain, tearing and blurred or hazy vision.

Effects from Skin Contact

Allergic Skin Reaction (non-photo induced): Signs/symptoms can include redness, swelling, blistering and itching. Avagard Antiseptic Hand Preparation should not be used by persons who are known to be hypersensitive to chlorhexidine gluconate or any of its components.

Effects from Inhalation

May be absorbed following inhalation and cause target organ effects. Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion

May be absorbed following ingestion and cause target organ effects. Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Carcinogenicity

Contains a chemical or chemicals which can cause cancer. Note: This product contains ETHYL ALCOHOL (CAS#: 64-17-5). In IARC published Monograph No. 44, entitled, 'Alcohol Drinking', the carcinogenicity of Ethanol was determined based on chronic exposure to Ethanol through human consumption of alcoholic beverages. This is not an expected effect during the foreseeable use of this product.

Reproductive Effects

Contains a chemical or chemicals which can cause birth defects or other reproductive harm. NOTE: This product contains ethanol. There are data associating human consumption of alcoholic beverages (ethanol) with developmental toxicity. This is not an expected effect during the foreseeable use of this product.

Other Toxicological Information

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, uncoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Prolonged or repeated exposure may cause: Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data

Not determined

Ecofate Data

Not determined.

13 DISPOSAL CONSIDERATIONS

Product as Sold

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

Special Instructions for Disposal

Incinerate in a permitted hazardous waste incinerator. Combustion products will include HCl. Facility must be capable of handling halogenated materials. Contact your local waste authority to determine suitable disposal methods.

14 TRANSPORT INFORMATION

ADG (Road/Rail)

UN NUMBER	1170
PROPER SHIPPING NAME	ETHANOL SOLUTION
DANGEROUS GOODS CLASS	3
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	II
HAZCHEM CODE	*2YE
IERG	14

IATA (Airfreight)

UN NUMBER	1170
PROPER SHIPPING NAME	ETHANOL SOLUTION
DANGEROUS GOODS CLASS	3
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	II

IMDG (Seafreight)

UN NUMBER	1170
PROPER SHIPPING NAME	ETHANOL SOLUTION
DANGEROUS GOODS CLASS	3
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	II

15 REGULATORY INFORMATION

Product Certifications
Listed on ARTG

16 OTHER INFORMATION

REASON FOR REISSUE
Complete document review with multiple sections updated.

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