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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
HIPA CLEAN 300

DIVISION
INTERNATIONAL OPERATIONS

3M Product ID
XA-0004-1729-1, AS-0104-1894-0, 0417291

RECOMMENDED USE: Aerosol solvent to clean surfaces prior to the application of a 3M tape or adhesive.

2 HAZARDS IDENTIFICATION

NOTE: HAZARDOUS SUBSTANCE. DANGEROUS GOODS

POISONS SCHEDULE Not applicable.

Symbols
F+ (Extremely Flammable) Xi (Irritant)

Risk Codes and Phrases
R12 Extremely flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

Safety Codes and Phrases
S15 Keep away from heat.

S16 Keep away from sources of ignition - No smoking.
S23C Do not breathe vapour or spray.
S51 Use only in well ventilated areas.
S24/25 Avoid contact with the skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28A After contact with skin, wash immediately with plenty of soap and water.
S2 Keep out of the reach of children.

3 COMPOSITION

Ingredient Name	CAS number	Percentage
ISOPROPYL ALCOHOL	67-63-0	70
BUTANE	106-97-8	< 30
PROPANE	74-98-6	< 1

4 FIRST AID MEASURES

EYE CONTACT

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT

Wash affected area with soap and plenty of water.

INHALATION

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, seek medical attention.

IF SWALLOWED

If swallowed, give two glasses of water and contact a doctor or Poisons Information Centre 131126. Do NOT induce vomiting.

5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Water spray. Carbon dioxide. Dry chemical. Alcohol-type foam.

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.

FIRE FIGHTING PROCEDURES

Wear full protective clothing, including helmet, self-contained, positive pressure or positive pressure demand self-contained breathing apparatus, tunic and pants, bands around arms, waist and legs, full facepiece, and protective covering for exposed areas of the head. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. For leaks or spills which have not ignited, water spray can be used to disperse the flammable vapour and protect personnel attempting to stop the leak.

Combustion Products from Fire

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

6 ACCIDENTAL RELEASE MEASURES (SPILL)

Personal Precautions

Observe precautions from other sections of this Material Safety Data Sheet.

Spill Response

Ventilate area with fresh air. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Contain spill. Cover with absorbent material. Clean up residue. Place in an approved metal container.

7 HANDLING AND STORAGE

Precautions for Safe Handling

Do not pierce or burn containers, even after use.

Conditions for Safe Storage

Store at temperatures below 49 degrees C.

Incompatibility - Materials to Avoid

Store away from heat. Store out of direct sunlight.

EXPLOSION AVOIDANCE

Keep away from heat, sparks, open flame, pilot lights and other

sources of ignition. Vapours may ignite explosively.

Fire Avoidance

Aerosol container contains flammable gas under pressure. No smoking while handling this material. Do not spray near flames or sources of ignition.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ISOPROPYL ALCOHOL (67-63-0)

NATIONAL EXPOSURE STANDARDS: TWA 400ppm STEL 500ppm

BUTANE (106-97-8)

NATIONAL EXPOSURE STANDARDS: TWA 800ppm 1900mg/m3

PROPANE (74-98-6)

NATIONAL EXPOSURE STANDARDS: asphyxiant

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.

Recommended Ventilation

Use in a well-ventilated area. Do not use in confined areas or areas with little or no air movement. If possible, use outdoors. Not recommended for interior use on large surface areas.

Eye Protection

Avoid eye contact with vapour, spray, or mist.

Skin Protection

Avoid prolonged or repeated skin contact.

Respiratory Protection

Avoid prolonged breathing of vapours. Avoid prolonged breathing of spray or mists.

Prevention of Accidental Ingestion

Do not ingest. Keep out of reach of children.

9 PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odour	Liquid aerosol spray; isopropanol odour
pH	Not applicable
Boiling point	82 C
Melting point	Not determined
Flash point	< 0 C
Autoignition temperature	Not determined
Vapour pressure	Not determined
Water Solubility	Not determined
Specific gravity	0.6
Vapour density	2.1 (Air=1)
Volatile organic compounds (VOC) content	Not determined
Evaporation rate	Not determined
Viscosity	Not determined
Flammable Limits - LEL	2 %
Flammable Limits - UEL	12 %

10 STABILITY AND REACTIVITY

Stability

Stable. Hazardous polymerisation will not occur.

Materials to Avoid

Heat.

Hazardous Decomposition Products

Carbon Monoxide, Carbon Dioxide. Hydrogen Fluoride. Aldehydes.
Toxic Vapours, Gases or Particles.

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

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, and itching.

Effects from Inhalation

Intentional concentration and inhalation can be harmful or fatal.

Single overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, lack of coordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Lower Respiratory Tract Irritation: Sign/symptoms may include cough, sore throat, chest tightness, and shortness of breath.

Effects from Ingestion

Ingestion is not a likely route of exposure to this product.

Ingestion may cause:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhoea and vomiting.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

12 ECOLOGICAL INFORMATION

Other Effects and Information

Since regulations vary, consult applicable regulations or authorities before disposal.

13 DISPOSAL CONSIDERATIONS

Product as Sold

Do not puncture or burn cans in a household incinerator.

Methods for Disposal

Incinerate in a permitted hazardous waste incinerator. Disposal facilities must be capable of handling aerosol cans. Combustion products will include HF. Facility must be capable of handling halogenated materials. Dispose of empty product containers in a sanitary landfill. Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes.

14 TRANSPORT INFORMATION

ADG (Road/Rail)

UN NUMBER	UN 1950
PROPER SHIPPING NAME	AEROSOLS
DANGEROUS GOODS CLASS	2.1
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	NOT APPLICABLE

IATA (Airfreight)

UN NUMBER	UN 1950
PROPER SHIPPING NAME	AEROSOLS, FLAMMABLE
DANGEROUS GOODS CLASS	2.1
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	NONE ALLOCATED

IMO (Seafreight)

UN NUMBER	UN 1950
PROPER SHIPPING NAME	AEROSOLS, FLAMMABLE
DANGEROUS GOODS CLASS	2.1

