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**3M Face Seal Cleaner 105 (New)**

Perfume --- < 0.1

Ingredients on the European Detergents Directive 2004/648/CE:

Water (Aqua)	7732-18-5	>10%
Isopropyl alcohol (Disopropyl-alcohol)	67-63-0	1-10%
Disinfectant (Myrtrimonium bromide)	1119-97-7	0.1-1%
Alcohol	64-17-5	0.1-1%

4 FIRST-AID MEASURES

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- 4.1 Eye Contact:  
Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.
- 4.2 Skin Contact:  
Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and shoes before reuse.
- 4.3 Inhalation:  
Remove person to fresh air. If signs/symptoms develop, get medical attention.
- 4.4 Ingestion:  
Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

5 FIRE-FIGHTING MEASURES

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- 5.1 Suitable Extinguishing Media:  
Use fire extinguishers with class B extinguishing agents (e.g. dry chemical, carbon dioxide).
- 5.2 Unsuitable Extinguishing Media:  
Not specified.
- 5.3 Exposure Hazards:  
No unusual fire or explosion hazards are anticipated.
- 5.4 Combustion Products from Fire:  
Not determined.
- 5.5 Fire-Fighting Procedures:

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Wear full protective equipment and a self-contained breathing apparatus.

**6 ACCIDENTAL RELEASE MEASURES**  
-----**6.1 Personal Precautions:**

Please observe precautions from other sections of this Safety Data Sheet.

**6.2 Methods for Cleaning up:**

Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. Collect as much of the spilled material as possible using non-sparking tools. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

**7 HANDLING AND STORAGE**  
-----**7.1 Precautions for Safe Handling:**

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid inhalation of vapours, mists or spray. Avoid eye contact with vapours, mists, or spray. For industrial or professional use only.

**7.2 Precautions for Safe Storage:**

Store under normal warehouse conditions.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**  
-----**8.1 Recommended Ventilation:**

Not applicable.

**8.2 Exposure Limits:**

Propan-2-ol (67-63-0)

HSE WEL TWA: 999 mg/m<sup>3</sup>; 400 ppm

HSE WEL STEL: 1250 mg/m<sup>3</sup>; 500 ppm

**8.3 Exposure Controls:**

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Avoid eye contact with vapours, mists, or spray.

**8.3.2 Hand Protection:**

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

**8.3.3 Skin Protection:**

Avoid skin contact.

**8.3.4 Respiratory Protection:**

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. Avoid inhalation of vapours, mists or spray.

**8.3.5 Ingestion:**

Not applicable.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

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- Appearance and Odour:	Clear liquid on white towelette with an alcohol odour.
- pH:	Not determined
- Boiling point/boiling range:	Not applicable
- Melting point/melting range:	Not determined
- Flash point:	Not determined
- Autoflammability:	Not determined
- Flammable Limits - LEL:	Not determined
- Flammable Limits - UEL:	Not determined
- Vapour pressure:	Not determined
- Water Solubility:	Not determined
- Specific gravity:	Not determined

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- Vapour density: Not determined
- Volatile organic compounds: Not determined
- Evaporation rate: Not determined
- Viscosity: Not determined
- Percent Volatile: Not determined

**10 STABILITY AND REACTIVITY**

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**10.1 Stability and Reactivity:**

Stable. Hazardous polymerisation will not occur.

**10.2 Conditions to Avoid:**

None known.

**10.3 Materials to Avoid:**

None known.

**10.4 Hazardous Decomposition:**

Carbon monoxide.  
Carbon dioxide.

**11 TOXICOLOGICAL INFORMATION**

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**11.1 Effects from Eye Contact:**

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

**11.2 Effects from Skin Contact:**

- Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
- Mild Skin Irritation: Signs/symptoms may include localised redness, swelling, and itching.

**11.3 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.

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## 11.4 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 diarrhea.

## 11.5 Other Effects and Information:

- Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

12 ECOLOGICAL INFORMATION

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## 12.1 Environmental Data:

Not determined.

## 12.2 Mobility in Soil and Water:

Not determined.

## 12.3 Persistence/Biodegradability:

The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

## 12.4 Bioaccumulation Potential:

Not determined.

## 12.5 Ecotoxicity Data:

Not determined.

## 12.6 Ecofate Data:

Not determined.

## 12.7 Special statements for 2001/58/EC:

A conservative assessment indicates this product presents a low environmental risk because use and disposal are unlikely to result in the significant release of components to the environment.

## 12.8 Other Effects and Information:

Product usages, or other lifecycle stages, are expected to release volatile organic compounds (VOCs) to the atmosphere. Regulations may restrict the release of VOCs because they contribute to the formation of ozone and smog. Regulatory

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definitions for VOC vary. Because of smog and other impacts, releases through evaporation or other means should be minimised to the extent possible.

**13 DISPOSAL CONSIDERATIONS**

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**13.1 Product as Sold:**

Dispose of waste product in a facility permitted to accept chemical waste. As a disposal alternative, incinerate in an industrial or commercial facility.

**13.2 Product in Use:**

Not determined.

**13.3 Product after Use:**

Not determined.

**13.4 Product Packaging:**

Not determined.

**13.5 Potential for Recycling:**

Not determined.

**13.6 Special Instructions:**

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

**14 TRANSPORT INFORMATION**

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**Transport Details:**

Please see the Annex to this document in which all transportation information is given.

**15 REGULATORY INFORMATION**

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**Label Version Number:**

001.00

**Symbol(s):**

Xi Irritant.

**Risk Phrases:**

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R43 May cause sensitisation by skin contact.

## Safety Phrases:

S24 Avoid contact with skin.  
S37 Wear suitable gloves.

## Disclosable Ingredients:

1,2-benzisothiazol-3(2H)-one.

## Product Certifications:

EINECS.

**16 OTHER INFORMATION**

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## 16.1 Complete list of risk phrases:

R11 Highly flammable.  
R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R43 May cause sensitisation by skin contact.  
R50 Very toxic to aquatic organisms.  
R67 Vapours may cause drowsiness and dizziness.

## 16.2 Limitations on Use of Product:

For industrial or professional use only.

## 16.3 Reissue date/Reason for reissue:

This is a first issue.

## 16.4 Regulatory Information:

The following UK Regulations as amended may affect the product as supplied:

The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended;  
The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended;  
The Control of Substances Hazardous to Health Regulations 1999 as amended;  
The Special Waste Regulations 1996, as amended;  
The Environmental Protection Act, 1990, as amended;  
The Health and Safety at Work Act, 1974, as amended.

The information on this Safety Data Sheet is based on our experience



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and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

Transport information as per paragraph 14 of the SDS

This product is not hazardous for transportation.

