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UNITED KINGDOM  
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Material Safety Data Sheet  
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MSDS ID                    05-4857-8    Release Date: 15/11/06    Version        : 06.00  
Supersedes Date        08/11/05    Printed            : 19/11/06    Page        1 Of        10

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION  
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1.1 Tradename:

3M Face Seal Cleaner 105

1.2 Intended Use of Product:

This wipe to be used for cleansing the face seal of 3M Gas & Vapour Respirators.

1.3 3M Product ID:

XH-0034-0403-1

1.4 Contact Address:

3M UK PLC  
3M Centre, Cain Road,  
Bracknell, Berkshire, RG12 8HT

3M Ireland  
3M House, Adelphi Centre,  
Dun Laoghaire, Co. Dublin

1.5 Emergency Contact Number:

+44 (0)1344 858 000

+353 (0)1 280 35 55

2 COMPOSITION/INFORMATION ON INGREDIENTS  
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Ingredient name and classification	CAS number	Percentage
Water	7732-18-5	85.0 - 90.0
EU Number: EINECS 231-791-2		
Propan-2-ol	67-63-0	5.0 - 10.0
EU Number: EINECS 200-661-7		
EU Classification: F: R11; Xi: R36; R67		
EU Nota: 6		
Ethanol	64-17-5	< 1
EU Number: EINECS 200-578-6		
EU Classification: F: R11		
1-Tetradecanaminium, N,N,N-trimethyl-, bromide	1119-97-7	< 1
EU Number: EINECS 214-291-9		

3 HAZARDS IDENTIFICATION  
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#### 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:  
Wash affected area with soap and water. If signs/symptoms develop, get medical attention.
- 4.3 Inhalation:  
Remove person to fresh air. If signs/symptoms develop, get medical attention.
- 4.4 Ingestion:  
Do not induce vomiting. Get immediate medical attention. Give victim two glasses of water. Never give anything by mouth to an unconscious person.

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

#### 6 ACCIDENTAL RELEASE MEASURES

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- 6.1 Personal Precautions:  
Please observe precautions from other sections of this MSDS.

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#### 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

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#### 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. Do not breathe vapours.

#### 7.2 Precautions for Safe Storage:

Store under normal warehouse conditions.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### 8.1 Recommended Ventilation:

Use in an enclosed process area is recommended.

#### 8.2 Exposure Limits:

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

- HSE WEL TWA: 400 ppm; 999 mg/m<sup>3</sup>
- HSE WEL STEL: 500 ppm; 1250mg/m<sup>3</sup>

##### Ethanol (64-17-5)

- HSE WEL TWA: 1000 ppm; 1920 mg/m<sup>3</sup>

#### 8.3 Exposure Controls:

##### 8.3.1 Eye Protection:

Avoid eye contact with vapours, mists, or spray.

##### 8.3.2 Hand Protection:

Gloves are not required.

##### 8.3.3 Skin Protection:

Not specified.

##### 8.3.4 Respiratory Protection:

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

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inhalation of vapours, mists or spray. Do not breathe vapours.

**8.3.5 Ingestion:**

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Not applicable.

**9 PHYSICAL AND CHEMICAL PROPERTIES**  
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- |                                |                               |
|--------------------------------|-------------------------------|
| - Appearance and Odour:        | Towelette with 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                |
| - Vapour density:              | Not determined                |
| - Volatile organic compounds:  | Not determined                |
| - Evaporation rate:            | Not determined                |
| - Viscosity:                   | Not determined                |
| - Percent Volatile:            | Not determined                |

**10 STABILITY AND REACTIVITY**  
-----**10.1 Stability and Reactivity:**

Stable. Hazardous polymerisation will not occur.

**10.2 Conditions to Avoid:**

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None known.

**10.3 Materials to Avoid:**

None known.

**10.4 Hazardous Decomposition:**

Carbon monoxide.

Carbon dioxide.

**11 TOXICOLOGICAL INFORMATION**  
-----**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:**

Contact with the skin during product use is not expected to result in significant irritation.

**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.

**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.

**- Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer. Note: This product contains ethanol. 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:**

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Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**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 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.

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## 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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- UN number: Not restricted for transportation.
- IMO Class:
- IMO Packing Group:
- IMO Proper Shipping Name:
- ADR Class:
- ADR Classification:
- IATA Class:
- IATA Sub-Risk:
- IATA Packing Group:
- IATA Proper Shipping Name:

15 REGULATORY INFORMATION  
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Label Version Number:  
02.00

Symbol(s):

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None.

## Risk Phrases:

None.

## Safety Phrases:

S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with  
plenty of water and seek medical advice.  
S100 Safety data sheet available for  
professional user on request.

## Disclosable Ingredients:

No ingredients required on the label.

## Product Certifications:

EINECS.

## 16 OTHER INFORMATION

## 16.1 Complete list of risk phrases:

R11 Highly Flammable.  
R36 Irritating to eyes.  
R67 Vapours may cause drowsiness and dizziness.

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

Water (Aqua) >10%  
Propan-2-ol (Isopropyl alcohol) 1-10%  
Ethanol (Alcohol) 0.1-1%  
1-Tetradecanaminium, N,N,N-trimethyl-, bromide (Myrtrimonium  
bromide) 0.1-1%

## 16.3 Limitations on Use of Product:

For industrial or professional use only.

## 16.4 Reissue date/Reason for reissue:

Complete MSDS revision in accordance with EU directive  
2001/58/EC.

## 16.5 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;





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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 Data Sheet is based on our experience 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.



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Product List

3M Product ID : XH-0034-0403-1  
105 RESPIRATOR FACE SEAL CLNR.  
400/CASE

Customer Part Nbr: 01176.00  
105 RESPIRATOR FACE SEAL  
CLEANER 400/CASE

Transport Info. :  
PLEASE SEE SECTION 14: TRANSPORT INFORMATION

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