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Material Safety Data Sheet

MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
 Supersedes Date 24/04/07 Printed : 06/06/07 Page 1 Of 11

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Tradename:

3M Stainless Steel Cleaner & Polish

1.2 Intended Use of Product:

Stainless Steel Cleaner and Polish can be used to maintain virtually any interior architectural metal surface including chrome, brass, aluminium and enamel/painted surfaces. It may also work well on ceramic and laminated plastic surfaces.

1.3 3M Product ID:

70-0708-4135-1, GN-0301-0280-2, 70-0712-7966-8

1.4 Contact Address:

3M UK PLC	3M Ireland
3M Centre, Cain Road,	3M House, Adelphi Centre,
Bracknell, Berkshire, RG12 8HT	Dun Laoghaire, Co. Dublin

1.5 Emergency Contact Number:

+44 (0)1344 858 000

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
Water	7732-18-5	40 - 70
EU Number: EINECS 231-791-2		
White mineral oil (petroleum)	8042-47-5	10 - 30
EU Number: EINECS 232-455-8		
Isobutane	75-28-5	7 - 13
EU Number: EINECS 200-857-2		
EU Classification: F+: R12		
EU Nota: C		
Sorbitan oleate	1338-43-8	0.5 - 1.5
EU Number: EINECS 215-665-4		
2-Aminoethanol	141-43-5	0.1 - 1
EU Number: EINECS 205-483-3		
EU Classification: Xn: R20/21/22; C: R34		

MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
Supersedes Date 24/04/07 Printed : 06/06/07 Page 2 Of 11

3M Stainless Steel Cleaner & Polish

Isobutane (Isobutane)	75-28-5	>10%
Sorbitan oleate (Sorbitan oleate)	1338-43-8	1-10%
2-Aminoethanol (Ethanolamine)	141-43-5	0.1-1%
Perfumes mixture	none	<0.1%
D-Limonene	5989-27-5	<0.1%

3 HAZARDS IDENTIFICATION

Risk Phrases:

None.

4 FIRST-AID MEASURES

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 unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

4.5 Special Instructions:

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

5 FIRE-FIGHTING MEASURES

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:

MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
Supersedes Date 24/04/07 Printed : 06/06/07 Page 3 Of 11

3M Stainless Steel Cleaner & Polish

Closed containers exposed to heat from fire may build pressure and explode. Material will not burn. Vapours may travel long distances along the ground or floor to an ignition source and flash back. (AEROSOL STORAGE level indicated below is based on NFPA 30B definition)

5.4 Combustion Products from Fire:
Not determined.

5.5 Fire-Fighting Procedures:
Wear full protective equipment and a self-contained breathing apparatus.

5.6 Special Instructions:
Aerosol container contains flammable material under pressure.

6 ACCIDENTAL RELEASE MEASURES

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

6.2 Methods for Cleaning up:
Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. Contain spill. Place leaking containers in a well-ventilated area, preferably in an exhaust hood, if available, or outdoors.

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:
Avoid inhalation of vapours, mists or spray. Avoid skin contact. Avoid eye contact with vapours, mists, or spray. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not pierce or burn container, even after use. Avoid contact with oxidising agents.

- Fire Prevention:
Aerosol container contains flammable gas under pressure. Do not spray near flames or sources of ignition.

- Explosion Prevention:
Keep away from heat, sparks, open flame, pilot lights and other



MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
Supersedes Date 24/04/07 Printed : 06/06/07 Page 4 Of 11

3M Stainless Steel Cleaner & Polish

sources of ignition.

7.2 Precautions for Safe Storage:

Do not store containers on their sides.

- Incompatible Materials/Conditions:

Store away from heat.

Store out of direct sunlight.

Store away from acids.

Store away from oxidising agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Recommended Ventilation:

Use in a well-ventilated area. Do not remain in area where available oxygen may be reduced.

8.2 Exposure Limits:

2-Aminoethanol (141-43-5)

HSE WEL TWA: 7.6 mg/m³; 3 ppm

HSE WEL STEL: 15 mg/m³; 6 ppm

IOELV TWA: 2.5 mg/m³; 1 ppm (skin)

IOELV STEL: 7.6 mg/m³; 3 ppm (skin)

8.3 Exposure Controls:

8.3.1 Eye Protection:

Avoid eye contact with vapours, mists, or spray.

The following should be worn alone or in combination, as appropriate to prevent eye contact:

Safety glasses with side shields.

8.3.2 Hand Protection:

The following glove material(s) are recommended: Neoprene.

Nitrile rubber.

8.3.3 Skin Protection:

Avoid skin contact.

8.3.4 Respiratory Protection:

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

8.3.5 Ingestion:

Do not eat, drink or smoke when using this product. Wash exposed

MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
Supersedes Date 24/04/07 Printed : 06/06/07 Page 5 Of 11

3M Stainless Steel Cleaner & Polish

areas thoroughly with soap and water. Keep out of the reach of children.

9 PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|--------------------------------|--|
| - Appearance and Odour: | Thick, white emulsion liquid with citrus odour. Aerosol. |
| - pH: | 9 - 11 |
| - Boiling point/boiling range: | 1 100.0 0C |
| - Melting point/melting range: | Not determined |
| - Flash point: | Not applicable |
| - Autoflammability: | Not determined |
| - Flammable Limits - LEL: | Not determined |
| - Flammable Limits - UEL: | Not determined |
| - Vapour pressure: | Not determined |
| - Water Solubility: | Not determined |
| - Specific gravity: | 0.92 1 1 (Water=1) |
| - Vapour density: | Not determined |
| - Volatile organic compounds: | 7 - 13 % (CARB 2-9450 calculated) |
| - Evaporation rate: | Not determined |
| - Viscosity: | 1400 < 4500 (For liquid) |
| - Percent Volatile: | 45 - 85 % |

10 STABILITY AND REACTIVITY

10.1 Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

10.2 Conditions to Avoid:

Heat.

MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
Supersedes Date 24/04/07 Printed : 06/06/07 Page 6 Of 11

3M Stainless Steel Cleaner & Polish

Sparks and/or flames.

- 10.3 Materials to Avoid:
Strong oxidising agents.
Strong acids.

- 10.4 Hazardous Decomposition:
Carbon monoxide - During Combustion.
Carbon dioxide - During Combustion.

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:

- Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

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.
- Intentional concentration and inhalation may be harmful or fatal.
- Simple Asphyxiation: Signs/symptoms may include increased heart rate, rapid respirations, drowsiness, headache, incoordination, altered judgement, nausea, vomiting, lethargy, seizures, coma, and may be fatal.

11.4 Effects from Ingestion:

- 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
-----**12.1 Environmental Data:**

MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
Supersedes Date 24/04/07 Printed : 06/06/07 Page 7 Of 11

3M Stainless Steel Cleaner & Polish

Not determined.

12.2 Mobility in Soil and Water:

Not determined.

12.3 Persistence/Biodegradability:

The components labelled 'readily biodegradable' are expected to fully degrade in wastewater treatment and in most aerobic water or soil environments. 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:

The components labelled 'Log Kow <3' have measured or calculated log Kow values <3 indicating they are unlikely to bioconcentrate to high concentrations in aquatic organisms by partitioning into lipid tissues. The components labeled 'Bioconcentration-factor (BCF) not determined' have little or no information on their potential to bioconcentrate or accumulate in aquatic organisms.

12.5 Ecotoxicity Data:

There is insufficient component information to calculate the ecotoxicity of this product. There is insufficient component information to calculate the wastewater treatment system effects of this product. The components labelled 'No information' have no environmental fate and effects data available. 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. No information:

White mineral oil (8042-47-5);

Readily biodegradable:

Isobutane (75-28-5);

Soritan Oleate (1338-43-8);

Log Kow <3:

Isobutane (75-28-5).

BCF Not determined: Soritan Oleate (1338-43-8)

13 DISPOSAL CONSIDERATIONS

13.1 Product as Sold:

Incinerate in an industrial or commercial facility in the

MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
Supersedes Date 24/04/07 Printed : 06/06/07 Page 8 Of 11

3M Stainless Steel Cleaner & Polish

presence of a combustible material. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste. Facility must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill. Empty aerosol cans may be recycled where facilities exist.

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

- UN number:	UN1950
- IMO Class:	2.2
- IMO Proper Shipping Name:	Aerosols
- ADR Class:	2.2
- ADR Classification:	5A
- ADR Proper Shipping Name:	Aerosols, limited quantity
- IATA Class:	2.2
- IATA Proper Shipping Name:	Aerosols, non-flammable

15 REGULATORY INFORMATION

Label Version Number:
06.00

Symbol(s):

MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
Supersedes Date 24/04/07 Printed : 06/06/07 Page 9 Of 11

3M Stainless Steel Cleaner & Polish

None.

Risk Phrases:

None.

Safety Phrases:

S2 Keep out of the reach of children.
S51 Use only in well ventilated areas.
S23C Do not breathe vapour or spray.
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.

3M WARNING! Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 :C. Do not pierce or burn, even after use. Do not spray on a naked flame or incandescent material.

Disclosable Ingredients:

No ingredients required on the label.

Product Certifications:

EINECS.

16 OTHER INFORMATION

16.1 Complete list of risk phrases:

R12 Extremely flammable.
R20 Harmful by inhalation.
R21 Harmful in contact with skin.
R22 Harmful if swallowed.
R34 Causes burns.

16.2 Limitations on Use of Product:

For industrial or professional use only.

16.3 Reissue date/Reason for reissue:

Updated transport section.

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

MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
Supersedes Date 24/04/07 Printed : 06/06/07 Page 10 Of 11

3M Stainless Steel Cleaner & Polish

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 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.

MSDS ID 10-2819-0 Release Date: 27/05/07 Version : 21.00
Supersedes Date 24/04/07 Printed : 06/06/07 Page 11 Of 11

3M Stainless Steel Cleaner & Polish

Product List

3M Product ID : 70-0712-7966-8
3M STAINLESS STEEL CLEANER AND
POLISH 6/CASE

3M Product ID : 70-0708-4135-1
3M STAINLESS STEEL CLEANER
AEROSOL 12/CASE

Customer Part Nbr: 3M003

3M Product ID : GN-0301-0280-2
3M STAINLESS STEEL CLEANER
AEROSOL 21CANS/TRAY 12TRAYS/PAL

Transport Info. :
PLEASE SEE SECTION 14: TRANSPORT INFORMATION
