

3M UK PLC
3M HOUSE, PO BOX 1, MARKET PLACE,
BRACKNELL, BERKSHIRE RG12 1JU
Tel: 01344 858000

=====

=

MATERIAL SAFETY DATA SHEET

=====

=

Document id : 11-1864-5 Issue date : 05/02/2003
Version : 5.00 Supersedes date : 13/12/2001
Document status : Issued Format : 1

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
3M (TM) ANTI-RUST PROTECTION FOR INNER CAVITIES 08900, 08911,
08921

3M Product ID:
XS-0034-9176-7 XS-0034-9171-8

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
ALIPHATIC PETROLEUM DISTILLATES (BP RANGE 150-200 C)	64742-82-1	40.0 - 50.0
EU Hazard Symbols and Risk Phrases: EU - Adaptation 22 (T; R:Carc.Cat.2;45-65)		
CALCIUM SOAP	---	35.0 - 45.0
MINERAL OIL	---	2.0 - 5.0
2-BUTOXYETHANOL	111-76-2	1.0 - 2.0
EU Hazard Symbols and Risk Phrases: EU - Adaptation 28 (Xi,Xn; R:20-21-22-36-38)		

3 HAZARDS IDENTIFICATION

Critical hazards:
Dangerous to environment. Flammable. Toxic to aquatic
organisms. May cause long-term adverse effects in the aquatic
environment. Repeated exposure may cause skin dryness or
cracking. Vapours may cause drowsiness and dizziness.

4 FIRST-AID MEASURES

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

Skin Contact:

Flush skin with large amounts of water. If irritation persists, get immediate medical attention.

Inhalation:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

Ingestion:

Do not induce vomiting. Drink two glasses of water. Call a medical doctor.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide, Dry chemical, Foam.

Exposure Hazards:

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.

Hazardous Decomposition:

Carbon Monoxide and Carbon Dioxide. Toxic vapours, Gases or particulates,

Fire-Fighting Procedures:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Observe precautions from other sections.

Methods for Cleaning up:

Ventilate the area with fresh air. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible using non-sparking tools. Place in a suitable metal container.

7 HANDLING AND STORAGE

Precautions for Safe Storage:

Keep container closed when not in use.

Explosion Prevention:

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

Static Prevention:

Avoid static discharge.

Precautions for Safe Handling:

Keep container tightly closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Avoid eye contact with vapours, mists, or spray. Indirect vented goggles. Safety glasses with side shields.

Hand Protection:

Wear appropriate gloves when handling this material. The following glove material(s) are recommended: Nitrile rubber. Polyethylene/ethylene vinyl alcohol. Polyvinyl alcohol. Polytetrafluoroethylene. Fluoroelastomer.

Skin Protection:

Avoid prolonged or repeated skin contact.

Respiratory Protection:

Avoid inhalation of vapours, mists or spray. Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half-mask organic vapour respirator.

Ingestion:

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

Recommended Ventilation:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

Exposure Limits:

2-BUTOXYETHANOL (111-76-2)

UK HSE TWA: 25 ppm; mg/m³ -

UK HSE STEL: 50 ppm; mg/m³ -

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Liquid, amber, solvent odor.

pH: Not applicable

Boiling point/boiling range: Not determined

Melting point/melting range: Not determined

Flash point: Greater than 30 C

Autoflammability: Not determined

Vapour pressure: Not determined

Water Solubility: Nil

Specific gravity: Approximately 0.870 Water=1

Vapour density: Not determined

Volatile organic compounds: Not determined

Evaporation rate: Not determined

Viscosity: 5000 - 10000 centipoise
Brookfield

Percent Volatile:

10 STABILITY AND REACTIVITY

Materials to Avoid:
Not applicable.

Hazardous Decomposition:
Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:
Mild Eye Irritation: Signs/symptoms may include redness, pain,
and tearing.

Effects from Skin Contact:
Mild Skin Irritation (after prolonged or repeated contact):
signs/symptoms can include redness, swelling, and itching.

Effects from Inhalation:
Central Nervous System Depression: signs/symptoms can include

headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness. Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

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. Chemical (Aspiration) Pneumonitis: Signs/symptoms may include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish coloured skin (cyanosis), and may be fatal.

12 ECOLOGICAL INFORMATION

Other Effects and Information:

Not determined. Since regulations vary, consult applicable regulations or authorities before disposal.

13 DISPOSAL CONSIDERATIONS

Special Instructions:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Dispose of waste product in a facility permitted to accept chemical waste. Since regulations vary, consult applicable regulations or authorities before disposal.

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: UN1300

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: UN1300

Class: 3.0

Packing Group: III

Proper Shipping Name: COATING SOLUTION, LIMITED QUANTITY

CDG-ROAD (if applicable) Not applicable

ADR/RID CLASSIFICATION:

Class: 3.0

Item Number: 31 C

ICAO/IATA CLASSIFICATION:

Class: 3.0

Sub-Risk: Not applicable

Packing Group: III

Proper Shipping Name: COATING SOLUTION

15 REGULATORY INFORMATION

Symbol(s):
N Dangerous to environment.

Risk Phrases:
Flammable. Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Safety Phrases:
Keep away from sources of ignition - No Smoking. Avoid contact with the skin and eyes. Do not breathe vapour. Use only in well ventilated areas. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Avoid release to the environment. Refer to special instructions/safety data sheets. Keep out of the reach of children.

16 OTHER INFORMATION

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. Carriage of Dangerous Goods by Road

regulations, 1996, as amended.
The Petroleum (Consolidation)
Act 1928.
The Control of
Substances Hazardous to Health
Regulations 1999 as amended.

The Special Waste Regulations
1996, as amended. The
Environmental Protection Act,
1990 The Health and Safety at
Work Act, 1974.

Reissue date/Reason for reissue.
Updated transportation information.

Intended Use of Product:
Designed to give a protective coating to the inside of vehicle
body panels.

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.