



## Safety Data Sheet

Copyright,2018,3M India Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

<b>Document group:</b>	33-7920-3	<b>Version number:</b>	1.01
<b>Issue Date:</b>	22/08/2018	<b>Supersedes date:</b>	19/09/2016

This Safety Data Sheet has been prepared in accordance with the GHS guidelines & India Hazardous substances (Classification, Labeling & Packaging) Draft Rules 2011.

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Cavity Wax Plus, PN 08852

#### Product Identification Numbers

60-4550-8544-3

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Automotive., Corrosion Preventative Coating

#### 1.3. Supplier's details

**Address:** 3M India Limited, plot-48-51, Electronic city, Hosur road, Bangalore-560100  
**Telephone:** 080-39143000, contact Product EHS team  
**E Mail:** productehs.in@mmm.com  
**Website:** <http://solutions.3mindia.co.in>

#### 1.4. Emergency telephone number

080-39143000 (Contact hours: 8:00 AM to 5:00 PM)

### SECTION 2: Hazard identification

Under MSIHC Rules, information is noted below on flammability, acute toxicity and explosivity relevant to this product. In line with international standards, information on other hazard classes and associated precautionary statements relevant to this product are included as well.

#### 2.1. Classification of the substance or mixture

Flammable Aerosol: Category 2.  
Acute Toxicity (dermal): Category 5.  
Skin Corrosion/Irritation: Category 3.  
Specific Target Organ Toxicity (single exposure): Category 1.  
Specific Target Organ Toxicity (single exposure): Category 3.  
Specific Target Organ Toxicity (repeated exposure): Category 1.  
Acute Aquatic Toxicity: Category 2.  
Chronic Aquatic Toxicity: Category 2.

## 2.2. Label elements

### Signal Word

DANGER!

### Symbols

Flame | Exclamation mark | Health Hazard | Environment |

### Pictograms



### HAZARD STATEMENTS:

H223	Flammable aerosol.
H313	May be harmful in contact with skin.
H316	Causes mild skin irritation.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs: cardiovascular system
H372	Causes damage to organs through prolonged or repeated exposure: respiratory system
H411	Toxic to aquatic life with long lasting effects.

### PRECAUTIONARY STATEMENTS

#### General:

P102 Keep out of reach of children.

#### Prevention:

P210A Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

#### Response:

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P308 + P311 IF exposed or concerned: Call a POISON CENTER or doctor/physician.

P312 Call a POISON CENTRE or doctor/physician if you feel unwell.

#### Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

## 2.3. Other hazards

None known.

### SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	CAS Nbr	% by Wt
Hydrotreated light distillate (Petroleum)	64742-47-8	40 - 60
Propane	74-98-6	10 - 30
Corrosion inhibitor (NJTS # 04499600-7389)	Trade Secret	5 - 10
Isobutane	75-28-5	3 - 7
Wax (NJTS # 04499600-7390)	Trade Secret	3 - 7
Hydrotreated heavy naphthenic petroleum distillates	64742-52-5	1 - 5
Talc	14807-96-6	1 - 5
Filler (NJTS # 04499600-7388)	Trade Secret	1 - 5

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Remove person to fresh air. Get medical attention.

##### Skin contact

Wash with soap and water. If signs/symptoms develop, get medical attention.

##### Eye contact

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

##### If swallowed

Rinse mouth. If you feel unwell, get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

#### 4.3. Indication of any immediate medical attention and special treatment required

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

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable Extinguishing media

Use a fire fighting agent suitable for the surrounding fire.

#### 5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

#### Hazardous Decomposition or By-Products

##### Substance

Carbon monoxide.

Carbon dioxide.

##### Condition

During combustion.

During combustion.

**5.3. Special protective actions for fire-fighters**

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2. Environmental precautions**

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

**6.3. Methods and material for containment and cleaning up**

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Contain spill. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam (AFFF) is recommended. 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. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Do not use in a confined area with minimal air exchange.

**7.2. Conditions for safe storage including any incompatibilities**

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store away from heat. Store away from acids. Store away from oxidising agents.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Talc	14807-96-6	ACGIH	TWA(respirable fraction):2 mg/m3	A4: Not class. as human carcin
JET FUELS (NON-AEROSOL),	64742-47-8	ACGIH	TWA(as total hydrocarbon	A3: Confirmed animal

AS TOTAL HYDROCARBON VAPOR			vapor, non-aerosol):200 mg/m3	carcin., SKIN
Kerosine (petroleum)	64742-47-8	ACGIH	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3	A3: Confirmed animal carcin., SKIN
Propane	74-98-6	ACGIH	Limit value not established:	asphyxiant
Isobutane	75-28-5	ACGIH	STEL:1000 ppm	
Natural gas	75-28-5	ACGIH	Limit value not established:	asphyxiant

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Do not remain in area where available oxygen may be reduced. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Full face shield.

Indirect vented goggles.

#### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended: Polymer laminate

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece supplied-air respirator

For questions about suitability for a specific application, consult with your respirator manufacturer.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state

Liquid.

Specific Physical Form:

Aerosol

Appearance/Odour

tan, solvent odor, liquid

Odour threshold

No data available.

pH

7 - 9

<b>Melting point/Freezing point:</b> NA	<i>No data available.</i>
<b>Boiling point/Initial boiling point/Boiling range</b>	148.9 °C
<b>Flash point</b>	-45.6 °C [ <i>Details:</i> (based on propellant)]
<b>Evaporation rate</b>	<i>No data available.</i>
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Flammable Limits(LEL)</b>	<i>No data available.</i>
<b>Flammable Limits(UEL)</b>	<i>No data available.</i>
<b>Vapour pressure</b>	<i>No data available.</i>
<b>Vapour density</b>	4.7 [ <i>Ref Std:</i> AIR=1]
<b>Density</b>	0.9 kg/l
<b>Relative density</b>	0.95 [ <i>Ref Std:</i> WATER=1]
<b>Water solubility</b>	Slight (less than 10%)
<b>Solubility- non-water</b>	<i>No data available.</i>
<b>Partition coefficient: n-octanol/water</b>	<i>No data available.</i>
<b>Autoignition temperature</b>	<i>No data available.</i>
<b>Decomposition temperature</b>	<i>No data available.</i>
<b>Viscosity</b>	1,000 - 2,000 mPa-s
<b>Molecular weight</b>	<i>Not applicable.</i>
<b>Volatile organic compounds (VOC)</b>	73.6 % weight
<b>Volatile organic compounds (VOC)</b>	697 g/l [ <i>Test Method:</i> calculated SCAQMD rule 443.1]
<b>Percent volatile</b>	73.9 % weight
<b>VOC less H2O &amp; exempt solvents</b>	699 g/l [ <i>Test Method:</i> calculated SCAQMD rule 443.1]

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

Heat.

Sparks and/or flames.

### 10.5 Incompatible materials

Not determined

### 10.6 Hazardous decomposition products

#### Substance

None known.

#### Condition

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be

relevant to the material as a whole.

## 11.1 Information on Toxicological effects

### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation

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. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

#### Skin contact

May be harmful in contact with skin.

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

#### Eye contact

Sprayed material may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

#### Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause additional health effects (see below).

#### Additional Health Effects:

##### Single exposure may cause target organ effects:

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Cardiac sensitisation: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

##### Prolonged or repeated exposure may cause target organ effects:

Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

#### Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

#### Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE <sub>2,000</sub> - 5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Hydrotreated light distillate (Petroleum)	Dermal	Rabbit	LD <sub>50</sub> > 3,160 mg/kg
Hydrotreated light distillate (Petroleum)	Inhalation-Dust/Mist (4 hours)	Rat	LC <sub>50</sub> > 3 mg/l
Hydrotreated light distillate (Petroleum)	Ingestion	Rat	LD <sub>50</sub> > 5,000 mg/kg
Propane	Inhalation-Gas (4 hours)	Rat	LC <sub>50</sub> > 200,000 ppm
Isobutane	Inhalation-Gas (4 hours)	Rat	LC <sub>50</sub> 276,000 ppm
Corrosion inhibitor (NJTS # 04499600-7389)	Dermal	Rabbit	LD <sub>50</sub> > 2,400 mg/kg
Corrosion inhibitor (NJTS # 04499600-7389)	Ingestion	Rat	LD <sub>50</sub> > 12,000 mg/kg

**3M™ Cavity Wax Plus, PN 08852**

Filler (NJTS # 04499600-7388)	Dermal	Rat	LD50 > 2,000 mg/kg
Filler (NJTS # 04499600-7388)	Inhalation-Dust/Mist (4 hours)	Rat	LC50 3 mg/l
Filler (NJTS # 04499600-7388)	Ingestion	Rat	LD50 6,450 mg/kg
Talc	Dermal		LD50 estimated to be > 5,000 mg/kg
Talc	Ingestion		LD50 estimated to be > 5,000 mg/kg
Hydrotreated heavy naphthenic petroleum distillates	Dermal	Rabbit	LD50 > 2,000 mg/kg
Hydrotreated heavy naphthenic petroleum distillates	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Hydrotreated light distillate (Petroleum)	Rabbit	Mild irritant
Propane	Rabbit	Minimal irritation
Isobutane	Professional judgement	No significant irritation
Filler (NJTS # 04499600-7388)	Rabbit	No significant irritation
Talc	Rabbit	No significant irritation
Hydrotreated heavy naphthenic petroleum distillates	Rabbit	Minimal irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
Hydrotreated light distillate (Petroleum)	Rabbit	Mild irritant
Propane	Rabbit	Mild irritant
Isobutane	Professional judgement	No significant irritation
Filler (NJTS # 04499600-7388)	Rabbit	No significant irritation
Talc	Rabbit	No significant irritation
Hydrotreated heavy naphthenic petroleum distillates	Rabbit	Mild irritant

**Skin Sensitisation**

Name	Species	Value
Hydrotreated light distillate (Petroleum)	Guinea pig	Not classified
Hydrotreated heavy naphthenic petroleum distillates	Guinea pig	Not classified

**Respiratory Sensitisation**

Name	Species	Value
Talc	Human	Not classified

**Germ Cell Mutagenicity**

Name	Route	Value
Hydrotreated light distillate (Petroleum)	In Vitro	Not mutagenic
Propane	In Vitro	Not mutagenic
Isobutane	In Vitro	Not mutagenic
Talc	In Vitro	Not mutagenic
Talc	In vivo	Not mutagenic

**Carcinogenicity**

Name	Route	Species	Value
Hydrotreated light distillate (Petroleum)	Dermal	Mouse	Some positive data exist, but the data are not



**3M™ Cavity Wax Plus, PN 08852**

			sufficient for classification
Talc	Inhalation	Rat	Some positive data exist, but the data are not sufficient for classification
Hydrotreated heavy naphthenic petroleum distillates	Ingestion	Rat	Not carcinogenic
Hydrotreated heavy naphthenic petroleum distillates	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
Filler (NJTS # 04499600-7388)	Ingestion	Not classified for development	Rat	NOAEL 625 mg/kg/day	pre mating & during gestation
Talc	Ingestion	Not classified for development	Rat	NOAEL 1,600 mg/kg	during organogenesis

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Hydrotreated light distillate (Petroleum)	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
Hydrotreated light distillate (Petroleum)	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Hydrotreated light distillate (Petroleum)	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Professional judgement	NOAEL Not available	
Propane	Inhalation	cardiac sensitization	Causes damage to organs	Human	NOAEL Not available	
Propane	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
Propane	Inhalation	respiratory irritation	Not classified	Human	NOAEL Not available	
Isobutane	Inhalation	cardiac sensitization	Causes damage to organs	Multiple animal species	NOAEL Not available	
Isobutane	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
Isobutane	Inhalation	respiratory irritation	Not classified	Mouse	NOAEL Not available	
Filler (NJTS # 04499600-7388)	Inhalation	respiratory system	Not classified	Rat	NOAEL 0.812 mg/l	90 minutes
Hydrotreated heavy naphthenic petroleum distillates	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Isobutane	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 4,500 ppm	13 weeks
Filler (NJTS # 04499600-7388)	Inhalation	respiratory system	Not classified	Human	NOAEL Not available	occupational exposure
Talc	Inhalation	pneumoconiosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure
Talc	Inhalation	pulmonary fibrosis   respiratory system	Not classified	Rat	NOAEL 18 mg/m3	113 weeks

**Aspiration Hazard**

Name	Value
Hydrotreated light distillate (Petroleum)	Aspiration hazard

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

**SECTION 12: Ecological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

**12.1. Toxicity****Acute aquatic hazard:**

GHS Acute 2: Toxic to aquatic life.

**Chronic aquatic hazard:**

GHS Chronic 2: Toxic to aquatic life with long lasting effects.

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
Hydrotreated light distillate (Petroleum)	64742-47-8	Green Algae	Estimated	72 hours	EC50	1 mg/l
Hydrotreated light distillate (Petroleum)	64742-47-8	Rainbow trout	Estimated	96 hours	Lethal Level 50%	2 mg/l
Hydrotreated light distillate (Petroleum)	64742-47-8	Water flea	Estimated	48 hours	Effect Level 50%	1.4 mg/l
Hydrotreated light distillate (Petroleum)	64742-47-8	Green Algae	Estimated	72 hours	No obs Effect Level	1 mg/l
Hydrotreated light distillate (Petroleum)	64742-47-8	Water flea	Estimated	21 days	No obs Effect Level	0.48 mg/l
Propane	74-98-6		Data not available or insufficient for classification			
Corrosion inhibitor (NJTS # 04499600-7389)	Trade Secret		Data not available or insufficient for classification			
Isobutane	75-28-5		Data not available or insufficient for classification			
Wax (NJTS # 04499600-	Trade Secret	Fathead minnow	Estimated	96 hours	Lethal Level 50%	>100 mg/l

**3M™ Cavity Wax Plus, PN 08852**

7390)						
Wax (NJTS # 04499600-7390)	Trade Secret	Water flea	Estimated	48 hours	Effect Level 50%	>10,000 mg/l
Wax (NJTS # 04499600-7390)	Trade Secret	Green algae	Estimated	72 hours	No obs Effect Level	100 mg/l
Wax (NJTS # 04499600-7390)	Trade Secret	Water flea	Estimated	21 days	No obs Effect Level	10 mg/l
Filler (NJTS # 04499600-7388)	Trade Secret	Green algae	Experimental	72 hours	EC50	>100 mg/l
Filler (NJTS # 04499600-7388)	Trade Secret	Rainbow trout	Experimental	96 hours	LC50	>100 mg/l
Filler (NJTS # 04499600-7388)	Trade Secret	Water flea	Experimental	48 hours	EC50	>100 mg/l
Filler (NJTS # 04499600-7388)	Trade Secret	Green algae	Experimental	72 hours	Effect Concentration 10%	>100 mg/l
Hydrotreated heavy naphthenic petroleum distillates	64742-52-5	Green algae	Estimated	96 hours	EC50	>100 mg/l
Hydrotreated heavy naphthenic petroleum distillates	64742-52-5	Water flea	Estimated	48 hours	EC50	>100 mg/l
Talc	14807-96-6		Data not available or insufficient for classification			

**12.2. Persistence and degradability**

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Hydrotreated light distillate (Petroleum)	64742-47-8	Data not available-insufficient			N/A	
Propane	74-98-6	Experimental Photolysis		Photolytic half-life (in air)	27.5 days (t 1/2)	Other methods
Corrosion inhibitor (NJTS # 04499600-7389)	Trade Secret	Estimated Biodegradation	28 days	BOD	8.6 %BOD/CO D	OECD 301D - Closed bottle test
Isobutane	75-28-5	Experimental Photolysis		Photolytic half-life (in air)	13.4 days (t 1/2)	Other methods
Wax (NJTS # 04499600-7390)	Trade Secret	Estimated Biodegradation	28 days	BOD	31 % BOD/ThBOD	OECD 301F - Manometric respirometry
Filler (NJTS #	Trade Secret	Data not			N/A	

**3M™ Cavity Wax Plus, PN 08852**

04499600-7388)		available-insufficient				
Hydrotreated heavy naphthenic petroleum distillates	64742-52-5	Data not available-insufficient			N/A	
Talc	14807-96-6	Data not available-insufficient			N/A	

**12.3 : Bioaccumulative potential**

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Hydrotreated light distillate (Petroleum)	64742-47-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Propane	74-98-6	Experimental Bioconcentration		Log Kow	2.36	Other methods
Corrosion inhibitor (NJTS # 04499600-7389)	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Isobutane	75-28-5	Experimental Bioconcentration		Log Kow	2.76	Other methods
Wax (NJTS # 04499600-7390)	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Filler (NJTS # 04499600-7388)	Trade Secret	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Hydrotreated heavy naphthenic petroleum distillates	64742-52-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Talc	14807-96-6	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

**12.4. Mobility in soil**

Please contact manufacturer for more details

**12.5 Other Adverse effects**

No information available.

**SECTION 13: Disposal considerations**

### 13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility. Facility must be capable of handling aerosol cans. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

## SECTION 14: Transport Information

### Air Transport (IATA) Regulations

UN No UN1950

Proper Shipping Name AEROSOLS, FLAMMABLE

Hazard Class/Division 2.1

Subsidiary Risk Not applicable

Packing Group: II

### Marine Transport (IMDG)

UN No Not applicable

Proper Shipping Name Not applicable

Hazard Class/Division Not applicable

Subsidiary Risk Not applicable

Packing Group: Not applicable

Environmental Hazards: Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

#### Applicable Environmental, Health and Safety Regulations

The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989

Hazardous Waste(Management , Handling & Transboundary) Rules, 2008

Hazardous Chemicals (Classification, Packaging and Labelling Draft Rules), 2011

Central Motor Vehicle Rules, 1989

The following ingredients are listed as hazardous on Part II of Schedule I of the India Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) rules

Butane, all isomers

The following ingredients are classified as hazardous based on the criteria listed under Part I of Schedule I of the India Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) rules:

Product is classified as very highly flammable liquid

## SECTION 16: Other information

### NFPA Hazard Classification

**Health:** 1    **Flammability:** 3    **Instability:** 0    **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

### Revision information:

Section 14: Packing group (IMO) information was added.  
Label: GHS Classification information was modified.  
Label: GHS Environmental Hazard Statements information was added.  
Label: GHS Precautionary - Prevention information was modified.  
Label: GHS Precautionary - Response information was modified.  
Label: Graphic information was modified.  
Label: Symbol information was modified.  
Section 6: Accidental release clean-up information information was modified.  
Section 7: Conditions safe storage information was modified.  
Section 7: Precautions safe handling information information was modified.  
Section 8: Eye/face protection information information was modified.  
Section 8: Occupational exposure limit table information was modified.  
Section 8: Personal Protection - Skin/hand information information was modified.  
Section 8: Respiratory protection - recommended respirators information information was modified.  
Section 8: Skin protection - recommended gloves information information was modified.  
Section 9: Evaporation Rate information information was added.  
Section 9: Solubility in water text information was added.  
Section 9: Vapour pressure value information was added.  
Section 11: Reproductive Toxicity Table information was modified.  
Section 11: Respiratory Sensitization Table information was modified.  
Section 11: Skin Sensitization Table information was modified.  
Section 11: Target Organs - Repeated Table information was modified.  
Section 11: Target Organs - Single Table information was modified.  
Section 12: Acute aquatic hazard information information was modified.  
Section 12: Chronic aquatic hazard information information was modified.  
Section 12: Component ecotoxicity information information was modified.  
Section 12: Persistence and Degradability information information was modified.  
Section 12: Bioaccumulative potential information information was modified.  
Section 13: 13.1. Waste disposal note information was modified.  
Section 13: Standard Phrase Category Waste GHS information was modified.  
Section 14: Environmental hazards information was added.  
Section 14: IMO Subsidiary Risk information was added.  
Section 14: IMO transport hazard classes information was added.  
Section 14: Proper Shipping Name (IMO) information was added.  
Section 14: UN Number (IMO) information was added.  
Section 15: Applicable Environmental, Health and Safety Regulations information was modified.  
Section 15: Regulations - Inventories information was modified.  
Section 16: NFPA hazard classification for aerosol storage information was deleted.

DISCLAIMER: The information on this Safety 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.

3M India SDSs are available at <http://solutions.3mindia.co.in>

