Material Safety Data Sheet

PRODUCT NAME: 3M™ Paint Defender Spray Film, 90000
MANUFACTURER: 3M
DIVISION: Automotive Aftermarket

ADDRESS: 3M Center, St. Paul, MN 55144-1000, USA

Telephone: 1-888-3M HELPS (1-888-364-3577)

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 01/10/14
Supercedes Date: 07/19/13

Document Group: 31-5559-5

ID Number(s):

60-4550-7131-0, 60-4550-8135-0

This product is a kit or a multipart product which consists of multiple, independently packaged components. An SDS for each of these components is included. Please do not separate the component SDSs from this cover page. The document numbers of the SDSs for components of this product are:

30-4587-9, 30-0641-8

Revision Changes:
Section 16: Disclaimer (first paragraph) information was modified.
Section 16: Disclaimer (second paragraph) information was modified.
Kit: Component heading paragraph information was modified.
Kit: Component document group number(s) information was modified.
Kit: ID Number(s) information was modified.
Section 16: Web address information was modified.
Section 1: Address information was modified.
Copyright information was modified.
Telephone header information was modified.
Company Telephone information was modified.

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3M USA SDSs are available at www.3M.com

Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M™ Paint Defender Spray Film, 90001
MANUFACTURER: 3M
DIVISION: Automotive Aftermarket

ADDRESS: 3M Center, St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 07/19/13
Supercedes Date: 07/19/13

Document Group: 30-4587-9

Product Use:
Intended Use: Automotive
Specific Use: Protect painted surfaces from bug splatter, rock chips, etc.

SECTION 2: INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	30 - 60
Polyurethane Polymer	Trade Secret	10 - 30
Dimethyl Ether	115-10-6	10 - 30
3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	55965-84-9	< 0.01

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Odor, Color, Grade: Aerosol containing clear viscous liquid
General Physical Form: Liquid
Immediate health, physical, and environmental hazards: Contact with aluminum or zinc in a pressurized system may generate hydrogen gas which could create an explosion hazard. May cause allergic skin reaction. May cause target organ effects. May cause frostbite.

3.2 POTENTIAL HEALTH EFFECTS

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

During application:
Frostbite: Signs/symptoms may include intense pain, clouding of the cornea, redness, swelling, and blindness.

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

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

During application:
Frostbite: Signs/symptoms may include intense pain, discoloration of skin, and tissue destruction.

Inhalation:
Intentional concentration and inhalation may be harmful or fatal.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Single exposure, above recommended guidelines, may cause:
Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

May be absorbed following inhalation and cause target organ effects.

Ingestion:
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

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.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.
Skin Contact: Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.
Inhalation: Remove person to fresh air. Get immediate medical attention.
If Swallowed: 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.

4.2 NOTE TO PHYSICIANS
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature	*No Data Available*
Flash Point	No flash point [*Details:* based on liquid portion]
Flammable Limits(LEL)	*No Data Available*
Flammable Limits(UEL)	*No Data Available*

5.2 EXTINGUISHING MEDIA

Material will not burn. Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: See Hazardous Decomposition section for products of combustion. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Contact with aluminum or zinc in a pressurized system may generate hydrogen gas which could create an explosion hazard.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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.

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. 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. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.

6.2. Environmental precautions

Place depressurized can and clean up wastes in a closed container approved for transportation by appropriate authorities. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Clean-up methods

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Contain spill. 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. Clean up residue with detergent and water. Seal the container.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from aluminum and zinc. Avoid breathing of vapors, mists or spray. Avoid skin contact. Avoid eye contact with vapors, mists, or spray. Keep out of the reach of children. Avoid contact with oxidizing agents. Use general dilution ventilation and/or local exhaust ventilation to control

airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

7.2 STORAGE

Store out of direct sunlight. Store away from areas where product may come into contact with food or pharmaceuticals. Store away from oxidizing agents. Keep from freezing. Store away from heat. Store at temperatures not exceeding 38C/100F

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use in an enclosed process area is recommended. Do not use in a confined area or areas with little or no air movement. 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 Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray.
The following eye protection(s) are recommended: Indirect Vented Goggles
.

8.2.2 Skin Protection

Avoid skin contact.

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.
Gloves made from the following material(s) are recommended: Nitrile Rubber
.

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Consult the current 3M Respirator Selection Guide for additional information or call 1-800-243-4630 for 3M technical assistance.
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 air-purifying respirator suitable for organic vapors and particulates

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

8.2.4 Prevention of Swallowing

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

8.3 EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit	Additional Information
Dimethyl Ether	AIHA	TWA	1880 mg/m3	
Dimethyl Ether	CMRG	TWA	1000 ppm	

SOURCE OF EXPOSURE LIMIT DATA:
ACGIH: American Conference of Governmental Industrial Hygienists
CMRG: Chemical Manufacturer Recommended Guideline
OSHA: Occupational Safety and Health Administration
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade:	Aerosol containing clear viscous liquid
General Physical Form:	Liquid
Autoignition temperature	*No Data Available*
Flash Point	No flash point [*Details:* based on liquid portion]
Flammable Limits(LEL)	*No Data Available*
Flammable Limits(UEL)	*No Data Available*
Boiling Point	*No Data Available*
Density	1 g/ml [*Ref Std:* WATER=1]
Vapor Density	*No Data Available*
Vapor Pressure	*No Data Available*
Specific Gravity	1 [*Ref Std:* WATER=1]
pH	7.5
Melting point	*No Data Available*
Solubility In Water	*No Data Available*
Evaporation rate	*No Data Available*
Hazardous Air Pollutants	0.03 lb HAPS/gal [*Test Method:* Calculated]
Volatile Organic Compounds	25.6 % weight [*Test Method:* calculated per CARB title 2]
Volatile Organic Compounds	254 g/l [*Test Method:* calculated SCAQMD rule 443.1]
Kow - Oct/Water partition coef	*No Data Available*
Percent volatile	84.4 %
VOC Less H2O & Exempt Solvents	621 g/l [*Test Method:* calculated SCAQMD rule 443.1]
Viscosity	30,000 centipoise [*Details:* liquid portion]

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid: Carbon monoxide acetic acids organic acid anhydrides.

10.1 Conditions to avoid
Heat
Sparks and/or flames

10.2 Materials to avoid
Strong oxidizing agents
Metal powder

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance	Condition
Formaldehyde	Heat
Carbon monoxide	Heat
Carbon dioxide	Heat

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

CHEMICAL FATE INFORMATION

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Facility must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill.

EPA Hazardous Waste Number (RCRA): Not regulated

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

SECTION 14:TRANSPORT INFORMATION

ID Number(s):
LB-K100-1252-5, LB-K100-1319-5, 41-9103-0530-3, 60-4550-7150-0

For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS
Contact 3M for more information.

311/312 Hazard Categories:
Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

STATE REGULATIONS
Contact 3M for more information.

CHEMICAL INVENTORIES
The components of this product are in compliance with the chemical notification requirements of TSCA.

Contact 3M for more information.

INTERNATIONAL REGULATIONS
Contact 3M for more information.

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification

Health: 2 **Flammability:** 0 **Reactivity:** 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.

HMIS Hazard Classification

Health: 2 **Flammability:** 0 **Reactivity:** 0 **Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS®) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

Revision Changes:
Section 7: Storage information was modified.
Section 16: NFPA hazard classification for health was modified.
Section 16: NFPA hazard classification for flammability was modified.
Section 16: HMIS hazard classification for flammability was modified.
Section 3: Immediate skin hazard(s) was added.
Section 3: Immediate physical hazard(s) was modified.
Section 3: Potential effects from skin contact information was modified.
Section 5: Extinguishing media information was modified.
Section 5: Unusual fire and explosion hazard information was modified.
Section 7: Handling information was modified.
Section 7: Storage information was modified.
Section 8: Prevention of swallowing information was modified.
Section 13: Waste disposal method information was modified.
Section 3: Immediate other hazard(s) was modified.
Section 15: 311/312 Fire Hazard score was modified.
Section 16: NFPA hazard classification for aerosol storage was deleted.
Section 12: Ecotoxicological phrase was deleted.
Section 12: Chemical Fate phrase was deleted.
Section 2: Ingredient table was modified.
Section 6: Personal precautions information was modified.
Section 6: Environmental procedures information was modified.
Section 6: Methods for cleaning up information was modified.

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Safety Data Sheet

Document Group:	30-0641-8	**Version Number:**	5.00
Issue Date:	01/29/14	**Supercedes Date:**	05/29/13

SECTION 1: Identification

1.1. Product identifier
3M™ Synthetic Wax Protectant PN 39030, 39030S, 39037, 39056

Product Identification Numbers
LB-K100-1144-1, 60-4550-6653-4, 60-4550-6705-2, 60-4550-6792-0, 60-4550-6980-1

1.2. Recommended use and restrictions on use

Recommended use
Automotive

1.3. Supplier's details

MANUFACTURER:	3M
DIVISION:	Automotive Aftermarket
ADDRESS:	3M Center, St. Paul, MN 55144-1000, USA
Telephone:	1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number
1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. This information may be different from the actual product label information for labels regulated by other agencies.

2.1. Hazard classification
Flammable Liquid: Category 3.
Skin Corrosion/Irritation: Category 2.
Skin Sensitizer: Category 1.
Reproductive Toxicity: Category 2.
Specific Target Organ Toxicity (central nervous system): Category 3.

2.2. Label elements
Signal word
Warning

Symbols
Flame | Exclamation mark | Health Hazard |

Pictograms

Hazard Statements
Flammable liquid and vapor.

Causes skin irritation.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.
Suspected of damaging fertility or the unborn child.

Precautionary Statements
General:
Keep out of reach of children.
If medical advice is needed, have product container or label at hand.

Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Keep container tightly closed.
Use explosion-proof electrical/ventilating/lighting equipment.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves and eye/face protection.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.

Response:
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Call a POISON CENTER or doctor/physician if you feel unwell.
In case of fire: Use a fire fighting agent suitable for flammable liquids and solids such as dry chemical or carbon dioxide to extinguish.

Storage:
Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.

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

Notes to Physician:
Not applicable

2.3. Hazards not otherwise classified
None.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	40 - 70 Trade Secret *
Stoddard Solvent	8052-41-3	1 - 15 Trade Secret *
Decamethylcyclopentasiloxane	541-02-6	< 13 Trade Secret *
Dodecamethylcyclohexasiloxane	540-97-6	< 10 Trade Secret *
Hydrotreated Light Petroleum Distillates	64742-47-8	< 10 Trade Secret *
Ceramic Materials and Wares, Chemical	66402-68-4	3 - 7 Trade Secret *
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated	71750-80-6	1 - 5 Trade Secret *
Isopropyl Alcohol	67-63-0	1 - 5 Trade Secret *
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine	69430-37-1	0.1 - 1 Trade Secret *
Methyl Alcohol	67-56-1	<= 0.37 Trade Secret *
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	55965-84-9	< 0.005 Trade Secret *

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact:
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. 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
Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media
In case of fire: Use a fire fighting agent suitable for flammable liquids and solids such as dry chemical or carbon dioxide to

extinguish.

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	Condition
Formaldehyde	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	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. Eliminate all ignition sources if safe to do so. 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 dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up
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 detergent and water. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (gloves, respirators, etc.) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation.

7.2. Conditions for safe storage including any incompatibilities
Store in a well-ventilated place. Keep container tightly closed. Keep cool. Protect from sunlight. Store away from heat. Store away from acids. Store away from oxidizing agents. Store away from areas where product may come into contact with food or pharmaceuticals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Decamethylcyclopentasiloxane	541-02-6	Chemical Manufacturer Rec Guid	TWA:10 ppm	
Hydrotreated Light Petroleum Distillates	64742-47-8	Chemical Manufacturer Rec Guid	TWA:165 ppm	
JET FUELS (NON-AEROSOL), AS TOTAL HYDROCARBON VAPOR	64742-47-8	Amer Conf of Gov. Indust. Hyg.	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3	Skin Notation
Kerosine (petroleum)	64742-47-8	Amer Conf of Gov. Indust. Hyg.	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3	Skin Notation
Methyl Alcohol	67-56-1	Amer Conf of Gov. Indust. Hyg.	TWA:200 ppm;STEL:250 ppm	Skin Notation
Methyl Alcohol	67-56-1	US Dept of Labor - OSHA	TWA:260 mg/m3(200 ppm)	
Isopropyl Alcohol	67-63-0	Amer Conf of Gov. Indust. Hyg.	TWA:200 ppm;STEL:400 ppm	
Isopropyl Alcohol	67-63-0	US Dept of Labor - OSHA	TWA:980 mg/m3(400 ppm)	
Stoddard Solvent	8052-41-3	Amer Conf of Gov. Indust. Hyg.	TWA:100 ppm	
Stoddard Solvent	8052-41-3	US Dept of Labor - OSHA	TWA:2900 mg/m3(500 ppm)	

Amer Conf of Gov. Indust. Hyg. : American Conference of Governmental Industrial Hygienists
American Indust. Hygiene Assoc : American Industrial Hygiene Association
Chemical Manufacturer Rec Guid : Chemical Manufacturer's Recommended Guidelines
US Dept of Labor - OSHA : United States Department of Labor - Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls
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/vapors/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation 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:
Safety Glasses with side shields

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.
Gloves made from the following material(s) are recommended: Nitrile Rubber

Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron – Nitrile

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 air-purifying respirator suitable for organic vapors and particulates

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

General Physical Form:	Liquid
Odor, Color, Grade:	Opaque, colored, viscous liquid; Slightly fragrant
Odor threshold	*No Data Available*
pH	7.5 - 8.5
Boiling Point	212 ºF
Flash Point	112 ºF [*Test Method:* Closed Cup]
Evaporation rate	*No Data Available*
Flammability (solid, gas)	Not Applicable
Vapor Pressure	*No Data Available*
Density	1.024 g/ml
Specific Gravity	1.024 [*Ref Std:* WATER=1]
Solubility in Water	Negligible
Solubility- non-water	*No Data Available*
Partition coefficient: n-octanol/ water	*No Data Available*
Autoignition temperature	*No Data Available*
Decomposition temperature	*No Data Available*
Viscosity	7,000 - 13,000 centipoise
Hazardous Air Pollutants	0.48 % weight [*Test Method:* Calculated]
Volatile Organic Compounds	138 g/l [*Test Method:* calculated SCAQMD rule 443.1]
Volatile Organic Compounds	13.3 % weight [*Test Method:* calculated per CARB title 2]
Percent volatile	73.4 %
VOC Less H2O & Exempt Solvents	358 g/l [*Test Method:* 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 polymerization will not occur.

10.4. Conditions to avoid
Heat
Light
Sparks and/or flames

10.5. Incompatible materials
Strong acids
Strong oxidizing agents

10.6. Hazardous decomposition products

Substance	Condition
None known.	

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 labeling, 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:
Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May cause target organ effects after inhalation.

Skin Contact:
Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye Contact:
Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion:
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May cause target organ effects after ingestion.

Target Organ Effects:

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

Reproductive/Developmental Toxicity:
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

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 > 5,000 mg/kg
Overall product	Inhalation-Vapor(4 hr)		No data available; calculated ATE > 50 mg/l
Overall product	Ingestion		No data available; calculated ATE > 5,000 mg/kg
Stoddard Solvent	Inhalation-Vapor		LC50 estimated to be 20 - 50 mg/l
Stoddard Solvent	Dermal	Rabbit	LD50 > 3,000 mg/kg
Stoddard Solvent	Ingestion	Rat	LD50 > 5,000 mg/kg
Decamethylcyclopentasiloxane	Dermal	Rabbit	LD50 > 15,000 mg/kg
Decamethylcyclopentasiloxane	Inhalation-Dust/Mist (4 hours)	Rat	LC50 8.7 mg/l
Decamethylcyclopentasiloxane	Ingestion	Rat	LD50 > 24,134 mg/kg
Hydrotreated Light Petroleum Distillates	Dermal	Rabbit	LD50 > 3,160 mg/kg
Hydrotreated Light Petroleum Distillates	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 3.0 mg/l
Hydrotreated Light Petroleum Distillates	Ingestion	Rat	LD50 > 5,000 mg/kg
Ceramic Materials and Wares, Chemical	Dermal		LD50 estimated to be > 5,000 mg/kg
Ceramic Materials and Wares, Chemical	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
Dodecamethylcyclohexasiloxane	Dermal	Rat	LD50 > 2,000 mg/kg
Dodecamethylcyclohexasiloxane	Ingestion	Rat	LD50 > 50,000 mg/kg
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated	Ingestion		LD50 estimated to be 300 - 2,000 mg/kg
Isopropyl Alcohol	Dermal	Rabbit	LD50 12,870 mg/kg
Isopropyl Alcohol	Inhalation-Vapor (4 hours)	Rat	LC50 72.6 mg/l
Isopropyl Alcohol	Ingestion	Rat	LD50 4,710 mg/kg
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine	Ingestion	Rat	LD50 > 2,000 mg/kg
Methyl Alcohol	Dermal		LD50 estimated to be 1,000 - 2,000 mg/kg
Methyl Alcohol	Inhalation-Vapor		LC50 estimated to be 10 - 20 mg/l
Methyl Alcohol	Ingestion		LD50 estimated to be 50 - 300 mg/kg
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Dermal	Rabbit	LD50 87 mg/kg
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.33 mg/l
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Ingestion	Rat	LD50 40 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Stoddard Solvent	Rabbit	Irritant
Decamethylcyclopentasiloxane		Data not available or insufficient for classification
Hydrotreated Light Petroleum Distillates	Rabbit	Mild irritant
Ceramic Materials and Wares, Chemical	Rabbit	No significant irritation

Dodecamethylcyclohexasiloxane	Rabbit	No significant irritation
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated		Data not available or insufficient for classification
Isopropyl Alcohol	Multiple animal species	No significant irritation
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine		Data not available or insufficient for classification
Methyl Alcohol	Rabbit	Mild irritant
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
Stoddard Solvent	Rabbit	No significant irritation
Decamethylcyclopentasiloxane		Data not available or insufficient for classification
Hydrotreated Light Petroleum Distillates	Rabbit	Mild irritant
Ceramic Materials and Wares, Chemical	Rabbit	Mild irritant
Dodecamethylcyclohexasiloxane	Rabbit	No significant irritation
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated		Data not available or insufficient for classification
Isopropyl Alcohol	Rabbit	Severe irritant
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine		Data not available or insufficient for classification
Methyl Alcohol	Rabbit	Moderate irritant
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Rabbit	Corrosive

Skin Sensitization

Name	Species	Value
Stoddard Solvent	Guinea pig	Not sensitizing
Decamethylcyclopentasiloxane		Data not available or insufficient for classification
Hydrotreated Light Petroleum Distillates	Guinea pig	Not sensitizing
Ceramic Materials and Wares, Chemical		Data not available or insufficient for classification
Dodecamethylcyclohexasiloxane		Data not available or insufficient for classification
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated		Data not available or insufficient for classification
Isopropyl Alcohol	Guinea pig	Not sensitizing
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine		Data not available or insufficient for classification
Methyl Alcohol	Guinea pig	Not sensitizing
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Human and animal	Sensitizing

Photosensitization

Name	Species	Value
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Human and animal	Not sensitizing

Respiratory Sensitization

Name	Species	Value
Stoddard Solvent		Data not available or insufficient for classification
Decamethylcyclopentasiloxane		Data not available or insufficient for classification
Hydrotreated Light Petroleum Distillates		Data not available or insufficient for classification
Ceramic Materials and Wares, Chemical		Data not available or insufficient for classification
Dodecamethylcyclohexasiloxane		Data not available or insufficient for classification
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated		Data not available or insufficient for classification

Isopropyl Alcohol		Data not available or insufficient for classification
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine		Data not available or insufficient for classification
Methyl Alcohol		Data not available or insufficient for classification
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone		Data not available or insufficient for classification

Germ Cell Mutagenicity

Name	Route	Value
Stoddard Solvent	In vivo	Not mutagenic
Stoddard Solvent	In Vitro	Some positive data exist, but the data are not sufficient for classification
Decamethylcyclopentasiloxane		Data not available or insufficient for classification
Hydrotreated Light Petroleum Distillates	In Vitro	Not mutagenic
Ceramic Materials and Wares, Chemical	In Vitro	Some positive data exist, but the data are not sufficient for classification
Dodecamethylcyclohexasiloxane		Data not available or insufficient for classification
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated		Data not available or insufficient for classification
Isopropyl Alcohol	In Vitro	Not mutagenic
Isopropyl Alcohol	In vivo	Not mutagenic
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine		Data not available or insufficient for classification
Methyl Alcohol	In Vitro	Some positive data exist, but the data are not sufficient for classification
Methyl Alcohol	In vivo	Some positive data exist, but the data are not sufficient for classification
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	In vivo	Not mutagenic
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Stoddard Solvent	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
Stoddard Solvent	Inhalation	Human and animal	Some positive data exist, but the data are not sufficient for classification
Decamethylcyclopentasiloxane			Data not available or insufficient for classification
Hydrotreated Light Petroleum Distillates	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
Ceramic Materials and Wares, Chemical	Inhalation	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
Dodecamethylcyclohexasiloxane			Data not available or insufficient for classification
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated			Data not available or insufficient for classification
Isopropyl Alcohol	Inhalation	Rat	Some positive data exist, but the data are not sufficient for classification
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine			Data not available or insufficient for classification
Methyl Alcohol	Inhalation	Multiple animal species	Not carcinogenic
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Dermal	Mouse	Not carcinogenic
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Ingestion	Rat	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure

					Duration
Stoddard Solvent	Inhalation	Not toxic to development	Rat	NOAEL 2.4 mg/l	during organogenesis
Decamethylcyclopentasiloxane		Data not available or insufficient for classification			
Hydrotreated Light Petroleum Distillates		Data not available or insufficient for classification			
Ceramic Materials and Wares, Chemical		Data not available or insufficient for classification			
Dodecamethylcyclohexasiloxane	Ingestion	Not toxic to female reproduction	Rat	NOAEL 1,000 mg/kg/day	premating & during gestation
Dodecamethylcyclohexasiloxane	Ingestion	Not toxic to male reproduction	Rat	NOAEL 1,000 mg/kg/day	28 days
Dodecamethylcyclohexasiloxane	Ingestion	Not toxic to development	Rat	NOAEL 1,000 mg/kg/day	premating & during gestation
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated		Data not available or insufficient for classification			
Isopropyl Alcohol	Ingestion	Some positive developmental data exist, but the data are not sufficient for classification	Rat	NOAEL 400 mg/kg/day	during organogenesis
Isopropyl Alcohol	Inhalation	Some positive developmental data exist, but the data are not sufficient for classification	Rat	LOAEL 9 mg/l	during gestation
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine		Data not available or insufficient for classification			
Methyl Alcohol	Ingestion	Some positive male reproductive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,600 mg/kg/day	21 days
Methyl Alcohol	Ingestion	Toxic to development	Mouse	LOAEL 4,000 mg/kg/day	during organogenesis
Methyl Alcohol	Inhalation	Toxic to development	Mouse	NOAEL 1.3 mg/l	during organogenesis
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Ingestion	Not toxic to female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Ingestion	Not toxic to male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Ingestion	Not toxic to development	Rat	NOAEL 15 mg/kg/day	during organogenesis

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	**Route**	**Target Organ(s)**	**Value**	**Species**	**Test Result**	**Exposure Duration**
Stoddard Solvent	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
Stoddard Solvent	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Stoddard Solvent	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification	Dog	NOAEL 6.5 mg/l	4 hours
Decamethylcyclopentasiloxane			Data not available or insufficient for classification			
Hydrotreated Light	Inhalation	central nervous	May cause drowsiness or		NOAEL Not	

Petroleum Distillates		system depression	dizziness		available	
Hydrotreated Light Petroleum Distillates	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Dodecamethylcyclohexasiloxane			Data not available or insufficient for classification			
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated			Data not available or insufficient for classification			
Isopropyl Alcohol	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
Isopropyl Alcohol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	
Isopropyl Alcohol	Inhalation	auditory system	Some positive data exist, but the data are not sufficient for classification	Guinea pig	NOAEL 13.4 mg/l	24 hours
Isopropyl Alcohol	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	poisoning and/or abuse
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine			Data not available or insufficient for classification			
Methyl Alcohol	Inhalation	blindness	Causes damage to organs	Human	NOAEL Not available	occupational exposure
Methyl Alcohol	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	not available
Methyl Alcohol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL Not available	6 hours
Methyl Alcohol	Ingestion	blindness	Causes damage to organs	Human	NOAEL Not available	poisoning and/or abuse
Methyl Alcohol	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	poisoning and/or abuse
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Stoddard Solvent	Inhalation	nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 4.6 mg/l	6 months
Stoddard Solvent	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 1.9 mg/l	13 weeks
Stoddard Solvent	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Multiple animal species	NOAEL 0.6 mg/l	90 days
Stoddard Solvent	Inhalation	bone, teeth, nails, and/or hair | blood | liver | muscles	All data are negative	Rat	NOAEL 5.6 mg/l	12 weeks
Stoddard Solvent	Inhalation	heart	All data are negative	Multiple animal species	NOAEL 1.3 mg/l	90 days
Decamethylcyclopentasiloxane			Data not available or insufficient for classification			
Hydrotreated Light Petroleum Distillates			Data not available or insufficient for classification			

Ceramic Materials and Wares, Chemical	Inhalation	pulmonary fibrosis	Some positive data exist, but the data are not sufficient for classification	Multiple animal species	NOAEL not available	
Ceramic Materials and Wares, Chemical	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL not available	occupational exposure
Dodecamethylcyclohexasiloxane	Ingestion	endocrine system | liver | respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,000 mg/kg/day	28 days
Dodecamethylcyclohexasiloxane	Ingestion	nervous system	All data are negative	Rat	NOAEL 1,000 mg/kg/day	28 days
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated			Data not available or insufficient for classification			
Isopropyl Alcohol	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 12.3 mg/l	24 months
Isopropyl Alcohol	Inhalation	nervous system	All data are negative	Rat	NOAEL 12 mg/l	13 weeks
Isopropyl Alcohol	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 400 mg/kg/day	12 weeks
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine			Data not available or insufficient for classification			
Methyl Alcohol	Inhalation	liver	All data are negative	Rat	NOAEL 6.55 mg/l	4 weeks
Methyl Alcohol	Inhalation	respiratory system	All data are negative	Rat	NOAEL 13.1 mg/l	6 weeks
Methyl Alcohol	Ingestion	liver | nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 2,500 mg/kg/day	90 days
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone			Data not available or insufficient for classification			

Aspiration Hazard

Name	Value
Stoddard Solvent	Aspiration hazard
Decamethylcyclopentasiloxane	Not an aspiration hazard
Hydrotreated Light Petroleum Distillates	Aspiration hazard
Ceramic Materials and Wares, Chemical	Not an aspiration hazard
Dodecamethylcyclohexasiloxane	Not an aspiration hazard
Siloxanes And Silicones, Di-Me, [[[3-[(2-Aminoethyl)Amino]Propyl]Dimethyoxysilyl]Oxy]-Terminated	Not an aspiration hazard
Isopropyl Alcohol	Not an aspiration hazard
Siloxanes And Silicones, Di-Me, Hydroxy-Terminated, Reaction Products With Trimethoxymethylsilane And N-[3-(Trimethoxysilyl)Propyl]-1,2-Ethanediamine	Not an aspiration hazard
Methyl Alcohol	Not an aspiration hazard
3(2H)-Isothiazolane, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone	Not an 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

Ecotoxicological information

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

Chemical fate information

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

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. 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

For Transport Information, please visit **http://3M.com/Transportinfo** or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information

15.1. US Federal Regulations
Contact 3M for more information.

311/312 Hazard Categories:

Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

15.2. State Regulations
Contact 3M for more information.

California Proposition 65

Ingredient	C.A.S. No.	Classification
Methyl Alcohol	67-56-1	Developmental Toxin

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

15.3. Chemical Inventories
The components of this product are in compliance with the chemical notification requirements of TSCA.

Contact 3M for more information.

15.4. International Regulations
Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information

NFPA Hazard Classification
Health: 2 **Flammability:** 1 **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.

HMIS Hazard Classification
Health: 2 **Flammability:** 2 **Physical Hazard:** 0 **Personal Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS® III) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® III ratings are to be used with a fully implemented HMIS® III program. HMIS® is a registered mark of the American Coatings Association (ACA).

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