

MATERIAL SAFETY DATA SHEET_MAX-SHIELD F5381A

(Prepared in accordance with OSHA Hazard communication standard 29 CFR 1910.1200 Section (g)(c)(1))

SECTION 1. PRODUCT IDENTIFICATION AND MANUFACTURER

Product Name: Max-Shield F5381A
Product Use: Electrical Conduct Fluorosilicone rubber for manufacturing of dispensing gaskets
Manufacturer: TennVac Inc.
Address: 9F-3, No. 31-1, Lane 169, Kangning Street, Xizhi District, New Taipei City, Taiwan
Telephone: +886 26951213-126

SECTION 2. COMPOSITION INFORMATION

Single or Mixture	Mixture	
Component Name	CAS Number	Wt %
Perfluoropolyether	---	<37
Nickel/graphite powder	7440-02-0/ 7782-42-5	>58
Perfluoro compounds	---	>5.0

SECTION 3. HAZARD IDENTIFICATION

Hazards Classification: None
Fire And Explosion: No flammable and explosive hazard.

Potential Health Effect

Skin Contact: May cause slight skin irritation, but no significant effect
Eyes Contact: May cause slight eyes irritation
Ingestion: No information is available
Inhalation: Not applicable.

But toxic and corrosive fluorine-compounds may be liberated during processing above 200 degree C, or from smoking tobacco or cigarettes contaminated with this product.

SECTION 4. FIRST AID MEASURES

Skin Contact: Remove product from skin with dry cloth or towel, and wash exposed area with detergent.
Eyes Contact: Immediately flush with plenty of water for at least 15 minutes and promptly call a physician.
Ingestion: Wash out mouth with water provided person is conscious person. Call a physician immediately.
Inhalation: Not applicable.
If inhaled by decomposed gas, remove to fresh air and call a physician.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point(method used): Not applicable
Flammable Limits: Lower: Not measured
Upper: Not measured

Extinguishing Media: Foam, dry chemical, carbon dioxide or fine water spray

Special Firefighting Procedure: Wear appropriate protective equipment, including approved respirator.

Unusual Fire and Explosion Hazard: When heating above 200 degree C or in fire conditions, decomposition products from materials may be formed including hydrogen fluoride, carbonyl fluoride, carbon monoxide and low molecular weight fluorocarbons.

SECTION 6. ACCIDENTAL RELEASE MEASURES

STEP TO BE TAKEN IN CASE MATERIAL IS RELEASE OR SPILLED:

Contain the spill or leak. Scrape up with cardboard or rag and place in container.

SECTION 7. HANDLING AND STORAGE

PRECAUTION TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use.

Store in a cool place.

Do not lay the container on its side.

Avoid contact with eyes and prolonged or repeated skin contact.

Do not smoke cigarettes which have come into contact with this product.

Keep out of reach of children.

INFORMATION ABOUT THE EMPTIED CONTAINER***

Do not re-use this container.

Keep away from heat, spark and flame.

Do not puncture or cut this container, and do not weld on or near this container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Respiratory Protection(Specify Type)	Required when this product is heated above 200 degree C
Ventilation	None should be needed
Local Exhaust	Required when this product is heated above 200 degree C
Mechanical(General)	Not required
Special	Not required
Other	Not required
Protective Gloves	Not required
Eye Protection	Safety glasses
Protective Clothing Or Equipment	Eyewash equipment
Work/Hygienic Practices	Wash hands after handling

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	Not applicable
Vapor Pressure	Negligible (25 degrees C)
Vapor Density(AIR-1)	Not determined

Density	2.73 (23 degrees C)
Melting Point	Not determined
Evaporation Rate	Negligible (BUTYL ACETATE=1)
Solubility In Water	Not soluble
Solubility	---
Appearance(Color)	Black
Appearance(Form)	Paste
Odor	Odorless
Dynamic Viscosity	---

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Condition To Avoid	Heating above 200 degrees C
Hazardous Polymerization	Hazardous polymerization will not occur
Materials To Avoid	None
Hazardous Decomposition or By-product	Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Fluorine compounds. Formaldehyde.

SECTION 11. TOXICOLOGICAL INFORMATION

Special Hazard Information On Components	No known applicable information
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SECTION 12. ECOLOGICAL INFORMATION

Biodegradation	No information is available
Bioaccumulation	No information is available
Aquatic Toxicity	No information is available
Other Information	None

SECTION 13. DISPOSAL CONSIDERATIONS

Can be burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose The emptied container unlawfully. Observe all federal, state, and local laws.

SECTION 14. TRANSPORT INFORMATION

(IMO INFORMATION)

ID No.	None
Classification And Class	None
Packaging Group	None
Proper Shipping Name	None
Technical Shipping Name	None
Marine Pollutant	None

(DOT INFORMATION)

ID No.	None
Hazard Class	None
Packaging Group	None
Proper Shipping Name	None
Technical Shipping Name	None
Hazard Substance(S) Name/(CAS No.) Content % Rq:	Not applicable

SECTION 15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: Listed on the TSCA inventory.

SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION :

THIS REGULATION REQUIRES SUBMISSION OF ANNUAL REPORT OF TOXIC CHEMICALS THAT APPEAR IN SECTION 313 IF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR 372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THE MATERIAL. THE TOXIC CHEMICALS CONTAINED IN THIS PRODUCT ARE :

CHEMICAL NAME /(CAS NO) AND CONTENTS – NONE

SECTION 16. OTHER INFORMATION

For Industrial used only. This material safety data sheet is offered solely for your information, consideration and investigation. The data described in the MSDS consist of data on literature, our acquisition date and analogical inference by data of similar chemical substance or product.