Safety Data Sheet

Issue Date 21-Jan-2017 **Revision Date** 21-Jan-2017 **Revision Number** 2

1. IDENTIFICATION

Product identifier

Product Code F945
Product Name SERIES 945 THERMAL BREAK TAPE

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended Use Textile.
Uses advised against For professional use only. Not for residential use.

Details of the supplier of the safety data sheet

Manufacturer Address
Tnemec Company, Inc. 6800 Corporate Drive, Kansas City, MO 64120-1372 816-474-3400

Distributor
Tnemec Company, Inc. 86 Boul, des Entreprises, Ste. 203, Boisbriand, Quebec Canada J7G 2T3

Emergency telephone number

Company Phone Number Tnemec Regulatory Dept: 816-474-3400
24 Hour Emergency Phone Number 800-535-5053 (Infotrac)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
Per OSHA 29 CFR part 1910.1200 this product is defined as an "article". Requirements for the preparation and provision of Safety Data Sheets does not apply to articles. Most physical data applicable to chemicals does not apply to articles.

Label elements

EMERGENCY OVERVIEW

Hazard statements
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Appearance white light yellow **Physical state** Solid **Odor** Organic

Precautionary Statements
Prevention
Do not handle until all safety precautions have been read and understood

Response
Get medical advice/attention if you feel unwell

Storage
Keep away from children

Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.

Other information

May be harmful in contact with skin

Very toxic to aquatic life with long lasting effects

SEE SAFETY DATA SHEET

Acute Toxicity 75.5974 % of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight-%
PROPRIETARY	-	1 - 10%
TITANIUM DIOXIDE (TOTAL DUST)	13463-67-7	0.1 - 1%
3-IODO-2-PROPYNYL BUTYL CARBAMATE	55406-53-6	0.1 - 1%

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice In the supplied form of an article the product is not expected to result in an exposure that requires first aid. Exposure to dust or airborne particles due to cutting, sanding, grinding, or other abrasive processes may require first aid. Following are first aid guidance for situations that may result in a hazardous exposure such as dust or airborne particles:.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin contact Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Inhalation Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, call a physician.

Ingestion If swallowed, do not induce vomiting. Get medical attention immediately.

Self-protection of the first aider Use personal protective equipment.

Most important symptoms and effects, both acute and delayed

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

Hazardous combustion products Hydrocarbons. Hydrobromic acid. Hydrogen cyanide. (hydrocyanic acid). Carbon oxides. Oxides of nitrogen.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid dust formation.

Environmental Precautions

Methods and material for containment and cleaning up

Methods for containment Avoid breathing dust. Use a dust mask or respirator. Clean up using vacuum cleaner or floor sweeping compound. Shovel into container for disposal.

Methods for cleaning up Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible products No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure guidelines .

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
PROPRIETARY	TWA: 1 mg/m³	-	
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	TWA: 10 mg/m³	TWA: 10 mg/m³ TWA: 15 mg/m³	5000 mg/m³

Appropriate engineering controls

Engineering measures Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Usually not necessary. Dust tight goggles in dusty environments.

Skin and body protection Suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.
Avoid breathing dust created by cutting, sanding, or grinding.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid		
Appearance	white light yellow	**Odor**	Organic
Color	No information available	**Odor threshold**	No information available

Property	**Values**	**Remarks**
pH		No data available
Melting point / freezing point		Literary Reference
Boiling point / boiling range		No information available
Flash point	No information available	Not applicable
Evaporation rate		No data available
Flammability (solid, gas)		
Flammability Limit in Air		No data available
Upper flammability limit		
Lower flammability limit		
Vapor pressure		No data available
Vapor density		No data available
Specific gravity	No information available	g/cm3
Water solubility	No data available	
Solubility in other solvents		No data available
Partition coefficient: n-octanol/water		No data available
Autoignition temperature		No data available
Decomposition temperature		
Kinematic viscosity		
Dynamic viscosity		No data available

Other Information

Density	Not Applicable
Volatile organic compounds (VOC) content	Not Applicable
Total volatiles weight percent	Not Applicable
Total volatiles volume percent	Not Applicable

10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Conditions to avoid
Burning produces obnoxious and toxic fumes. Avoid dust formation.

Incompatible materials
No information available

Hazardous decomposition products
Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Carbon oxides. Nitrogen oxides (NOx). Hydrogen cyanide. (hydrocyanic acid). Hydrogen bromide.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation Not an expected route of exposure. Inhalation of dust in high concentration may cause irritation of respiratory system.

Eye contact Contact with eyes may cause irritation.

Skin contact May cause eye/skin irritation. Repeated or prolonged exposure may cause irritation of eyes and skin.

Ingestion May be harmful if swallowed.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
PROPRIETARY	> 5000 mg/kg (Rat)		
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	> 10000 mg/kg (Rat)		
3-IODO-2-PROPYNYL BUTYL CARBAMATE 55406-53-6	= 1100 mg/kg (Rat)		

Information on toxicological effects

Symptoms Skin disorders. Redness.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause slight irritation.
Eye damage/irritation May cause slight irritation.
Sensitization No information available.
Mutagenicity No information available.
Carcinogenicity This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), potentially carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

Component	ACGIH	IARC	NTP	OSHA
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7		Group 2B		X

Reproductive effects No information available.
STOT - single exposure No information available
STOT - repeated exposure No information available
Aspiration hazard Not applicable.

Acute Toxicity 75.5974 % of the mixture consists of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document .

12. ECOLOGICAL INFORMATION

Ecotoxicity

98.9501 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Component	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
3-IODO-2-PROPYNYL BUTYL CARBAMATE 55406-53-6		0.049 - 0.079: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.05 - 0.089: 96 h Oncorhynchus mykiss mg/L LC50 0.14 - 0.32: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.18 - 0.23: 96 h Pimephales promelas mg/L LC50 flow-through	

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Mobility in Environmental Media

Component	log Pow
3-IODO-2-PROPYNYL BUTYL CARBAMATE 55406-53-6	2.81

Other Adverse Effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Methods Dispose of contents/containers in accordance with local regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name Not regulated

IATA Not regulated

IMDG/IMO Not regulated

Additional information Call TNEMEC Traffic Department - 816-474-3400 for additional information or other modes of Transportation.

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Complies
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

United States of America

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372:

Component	SARA 313 - Threshold Values
3-IODO-2-PROPYNYL BUTYL CARBAMATE - 55406-53-6	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CERCLA

United States of America

California Prop. 65

:This product can expose you to the following chemicals which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Component	California Prop. 65
TITANIUM DIOXIDE (TOTAL DUST) - 13463-67-7	Carcinogen

California SCAQMD Rule 443

Does Not Contain Photochemically Reactive Solvent

State Right-to-Know

Component	New Jersey	Massachusetts	Pennsylvania
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	X	X	X
3-IODO-2-PROPYNYL BUTYL CARBAMATE 55406-53-6	X		

16. OTHER INFORMATION

NFPA **Health** 0 **Flammability** 0 **Instability** 0 **Physical hazard** -

HMIS (Hazardous Material Information System) **Health** 0 **Flammability** 0

Prepared By Tnemec Regulatory Dept: 816-474-3400
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Revision Summary
3 1 4 5 6 8 9 10 11 13 14 15

Disclaimer

For specific information regarding occupational safety and health standards, please refer to the Code of Federal Regulations, Title 29, Part 1910.
To the best of our knowledge, the information contained herein is accurate. However, neither the Tnemec Company or any of its subsidiaries assume any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

End of SDS