



SAFETY DATA SHEET

Revision date 30-Oct-2015

Version 9

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name T&I EN MF RED
Product Code 018.4431-02
UN/ID no UN1263
Recommended Use Paint, Coatings

Details of the supplier of the safety data sheet

See section 16 for more information

The Valspar Corporation
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Valspar Industries, Inc.
1915 Second St. W.
Cornwall, Ontario K6H 5R6

E-mail address msds@valspar.com

Emergency telephone number 1-888-345-5732

Section 2: HAZARDS IDENTIFICATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

HAZARD STATEMENTS

Combustible liquid.

Causes skin irritation Suspected of causing cancer Suspected of damaging fertility or the unborn child Causes damage to organs through prolonged or repeated exposure May be fatal if swallowed and enters airways May cause an allergic skin reaction May cause drowsiness or dizziness

WHMIS Hazard Class

B3 - Combustible liquid
D2A - Very toxic materials
D2B - Toxic materials



Signal word

DANGER

Product Code 018.4431-02

Page 1 / 10

WPNA - CANADA WHMIS SDS

PREVENTION

Use only non-sparking tools Wear protective gloves/protective clothing/eye protection/face protection Keep container tightly closed Wash face, hands and any exposed skin thoroughly after handling Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product Obtain special instructions before use Contaminated work clothing should not be allowed out of the workplace Do not handle until all safety precautions have been read and understood Use only outdoors or in a well-ventilated area Ground/bond container and receiving equipment Take precautionary measures against static discharge Use explosion-proof electrical/ ventilating/ lighting/ equipment

RESPONSE

IF exposed or concerned: Get medical advice/attention

Eyes

If eye irritation persists: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Skin

Wash contaminated clothing before reuse If skin irritation or rash occurs: Get medical advice/attention IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Ingestion

Do NOT induce vomiting IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Fire

In case of fire: Use CO₂, dry chemical, or foam for extinction

STORAGE

Store locked up Store in a well-ventilated place Store in a well-ventilated place. Keep cool

DISPOSAL

Dispose of contents/containers in accordance with local regulations

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	weight-%
Petroleum distillates, hydrotreated light	64742-47-8	25 - 50
Stoddard solvent	8052-41-3	3 - 5
Solvent naphtha, petroleum, light aromatic	64742-95-6	1 - 3
Benzene, 1,2,4-trimethyl-	95-63-6	0.3 - 1
2-Butanone, oxime	96-29-7	0.3 - 1
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	136-52-7	0.1 - 0.3
2-Butoxyethanol	111-76-2	0.1 - 0.3
Titanium dioxide	13463-67-7	0.1 - 0.3

Section 4: FIRST AID MEASURES

First Aid Measures

General advice

IF exposed or concerned: Get medical advice/attention

Eye contact

If eye irritation persists: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Skin Contact

Wash contaminated clothing before reuse If skin irritation or rash occurs: Get medical advice/attention IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Ingestion

Do NOT induce vomiting IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Product Code 018.4431-02

Page 2 / 10

WPNA - CANADA WHMIS SDS

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flammable properties Combustible liquid.

flash point 104 °F / 40 °C

Upper flammability limit: No information available

Lower flammability limit: No information available

Autoignition temperature No information available

Explosion data

Sensitivity to Mechanical Impact	No information available.
Sensitivity to Static Discharge	No information available.

Suitable extinguishing media

Dry chemical, CO₂, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂).

Specific hazards arising from the chemical

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by skin contact. spontaneously combustible material. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal. Keep product and empty container away from heat and sources of ignition.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

Section 6: ACCIDENTAL RELEASE MEASURES**Personal precautions**

Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal.

Section 7: HANDLING AND STORAGE

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

Storage Conditions

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Keep tightly closed in a dry and cool place.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Exposure Limits

If S* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical Name	ACGIH TLV	Alberta	British Columbia	Ontario TWA	Quebec	OSHA PEL
Petroleum distillates, hydrotreated light 64742-47-8			TWA: 200 mg/m ³ S*			
Stoddard solvent 8052-41-3	TWA: 100 ppm	TWA: 100 ppm TWA: 572 mg/m ³	TWA: 290 mg/m ³ STEL: 580 mg/m ³	TWA: 525 mg/m ³	TWA: 100 ppm TWA: 525 mg/m ³	TWA: 500 ppm TWA: 2900 mg/m ³
Benzene, 1,2,4-trimethyl- 95-63-6	TWA: 25 ppm	TWA: 25 ppm TWA: 123 mg/m ³	TWA: 25 ppm	TWA: 25 ppm	TWA: 25 ppm TWA: 123 mg/m ³	
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 20 ppm TWA: 97 mg/m ³	TWA: 20 ppm	TWA: 20 ppm	TWA: 20 ppm TWA: 97 mg/m ³	TWA: 50 ppm TWA: 240 mg/m ³ S*
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Personal Protective Equipment

Eye/face protection

Tight sealing safety goggles.

Hand Protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

Skin and body protection

Wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Thermal Protection

No information available

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	liquid
Appearance	No information available
Odor	Solvent
Color	red
Odor Threshold	No information available
pH value	No information available
Melting point/freezing point	No information available
Boiling point / boiling range	No information available °C / °F
flash point	40 °C / 104 °F
evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor Pressure	No information available
vapor density	No information available
Density (lbs per US gallon)	8.18
specific gravity	.98
Solubility(ies)	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available

Other information**Section 10: STABILITY AND REACTIVITY**

Stability	Stable under normal conditions.
Incompatible materials	Strong oxidizing agents.
Conditions to avoid	Heat, flames and sparks.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx).
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION**Information on toxicological effects****Information on likely routes of exposure****Eye contact**

Not applicable

Skin Contact

Causes skin irritation

May cause an allergic skin reaction

Ingestion

May be fatal if swallowed and enters airways

Product Code 018.4431-02

Page 5 / 10

WPNA - CANADA WHMIS SDS

Inhalation

May cause drowsiness or dizziness

Numerical measures of toxicity - Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Stoddard solvent	-	-	-
Solvent naphtha, petroleum, light aromatic	-	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
Benzene, 1,2,4-trimethyl-	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m ³ (Rat) 4 h
2-Butanone, oxime	= 930 mg/kg (Rat)	= 0.2 mg/kg (Rabbit)	= 20 mg/L (Rat) 4 h
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	-	-	-
2-Butoxyethanol	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
Titanium dioxide	> 10000 mg/kg (Rat)	-	-

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

Skin corrosion/irritation	Causes skin irritation
Serious eye damage/eye irritation	Not applicable
Skin sensitization	May cause an allergic skin reaction
Respiratory sensitization	Not applicable
Germ cell mutagenicity	Not applicable
Carcinogenicity	Suspected of causing cancer
Reproductive Toxicity	Suspected of damaging fertility or the unborn child
Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness
Specific target organ toxicity (repeated exposure)	Causes damage to organs through prolonged or repeated exposure
Aspiration hazard	Not applicable

Carcinogenicity

According to IARC, Volume 93, no significant exposure to primary particles of titanium dioxide is thought to occur from use in paints since the pigment is bound to other materials.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)		Group 2B		X
2-Butoxyethanol	A3			
Titanium dioxide		Group 2B		X

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Section 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Marine pollutant This material meets the definition of a marine pollutant

Environmental precautions Prevent product from entering drains.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
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Petroleum distillates, hydrotreated light	-	= 2.4 mg/L Oncorhynchus mykiss 96h LC50 = 2.2 mg/L Lepomis macrochirus 96h LC50 = 45 mg/L Pimephales promelas 96h LC50	-
Stoddard solvent	-	-	-
Solvent naphtha, petroleum, light aromatic	-	= 9.22 mg/L Oncorhynchus mykiss 96h LC50	= 6.14 mg/L Daphnia magna 48h EC50
Benzene, 1,2,4-trimethyl-	-	7.19 - 8.28 mg/L Pimephales promelas 96h LC50 = 7.72 mg/L Pimephales promelas 96h LC50	= 6.14 mg/L Daphnia magna 48h EC50
2-Butanone, oxime	= 83 mg/L Desmodesmus subspicatus 72 h EC50	777 - 914 mg/L Pimephales promelas 96h LC50 = 760 mg/L Poecilia reticulata 96h LC50	= 750 mg/L Daphnia magna 48h EC50
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	-	-	-
2-Butoxyethanol	-	= 2950 mg/L Lepomis macrochirus 96h LC50 = 1490 mg/L Lepomis macrochirus 96h LC50	> 1000 mg/L Daphnia magna 48h EC50
Titanium dioxide	-	-	-

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Chemical Name	Partition Coefficient (n-octanol/water)
Petroleum distillates, hydrotreated light	-
Stoddard solvent	-
Solvent naphtha, petroleum, light aromatic	-
Benzene, 1,2,4-trimethyl-	3.63
2-Butanone, oxime	0.65
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	-
2-Butoxyethanol	0.81
Titanium dioxide	-

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

UN/ID no	<u>TDG</u>	<u>IMDG</u>	<u>IATA</u>
Proper shipping name	UN1263 Paint	UN1263 Paint	UN1263 Paint
Hazard Class	3	3	3
Packing Group	III	III	III
Environmental hazard	Yes		
Marine pollutant	This material meets the definition of a marine pollutant		
Marine pollutant	Petroleum distillates, hydrotreated light , Stoddard solvent		
Special Provisions		163, 223, 955 EmS-No F-E, S-E	A3, A72

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

Product Code 018.4431-02

Page 7 / 10

WPNA - CANADA WHMIS SDS

Section 15: REGULATORY INFORMATION

International Inventories

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

All components are listed or exempt from listing

DSL - Canadian Domestic Substances List

Not all components are listed or exempt from listing

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

B3 - Combustible liquid

D2A - Very toxic materials

D2B - Toxic materials



Chemical Name	Canada - 2013 NPRI (National Pollutant Release Inventory)
Petroleum distillates, hydrotreated light	Part 5, Other Groups and Mixtures
Stoddard solvent	Part 5, Other Groups and Mixtures
Solvent naphtha, petroleum, light aromatic	Part 5, Other Groups and Mixtures
Benzene, 1,2,4-trimethyl-	Part 1, Group A Substance Part 5, Individual Substances
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	Part 1, Group A Substance
2-Butoxyethanol	Part 1, Group A Substance Part 5, Individual Substances

GHS - Classification

Skin corrosion/irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Label elements



Signal word

DANGER

HAZARD STATEMENTS

Flammable liquid and vapor

Causes skin irritation
May cause an allergic skin reaction
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
Causes damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways

PREVENTION

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

RESPONSE

IF exposed or concerned: Get medical advice/attention.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin

If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Fire

In case of fire: Use CO₂, dry chemical, or foam for extinction.

STORAGE

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

DISPOSAL

Dispose of contents/containers in accordance with local regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

Not applicable.

OTHER HAZARDS

Toxic to aquatic life with long lasting effects. spontaneously combustible material. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

UNKNOWN ACUTE TOXICITY 0% of the mixture consists of ingredient(s) of unknown toxicity.

Section 16: OTHER INFORMATION

HMIS

Health hazards 3*

* = Chronic Health Hazard

Flammability 2

Physical hazards 0

Personal Protection X

Supplier Address

Valspar Consumer Headquarters	The Valspar Corporation	Valspar Plasti-Kote
8725 W. Higgins Rd. Suite 1000	4999 36th St.	1636 Shawsone Dr.
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773-628-5500	800-253-3957	905-671-8333

Prepared By

Product Stewardship

Product Code 018.4431-02

Page 9 / 10

WPNA - CANADA WHMIS SDS

Revision date 30-Oct-2015
Revision Note No information available
Disclaimer

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

End of Safety Data Sheet