SAFETY DATA SHEET

Issuing Date 28-Oct-2016 **Revision Date** 28-Oct-2016 **Revision Number** 0

This document complies with the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name **Cross Check™ - Orange, Green, Red, Yellow and Blue**

Other means of identification

Part Number 83314 (Orange), 83315 (Green), 83316 (Red), 83317 (Yellow), 83318 (Blue)

Formula Code A498M (Orange), A991M (Green), A992M (Red), A993M (Yellow), A994M (Blue)

UN-Number UN1993

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Inspection Paint

Uses advised against No information available

Supplier's details

Initial Supplier
ITW Permatex Canada
1-35 Brownridge Road
Halton Hills, ON, L7G 0C6
Canada

Supplier Address
ITW PRO BRANDS
805 E. Old 56 Highway
Olathe, KS 66061
TEL: 1-800-443-9536

Emergency telephone number

Emergency Telephone Number 800-535-5053 Infotrac

2. HAZARDS IDENTIFICATION

Classification

This product is considered hazardous according to the criteria set within the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

Serious Eye Damage/Eye Irritation	Category 2A
Skin Sensitization	Category 1

Germ Cell Mutagenicity	Category 1B
Carcinogenicity	Category 1B
Specific Target Organ Toxicity (Repeated Exposure)	Category 1
Aspiration Toxicity	Category 1
Flammable liquids	Category 3

Label Elements

Danger

Hazard Statements
Causes serious eye irritation
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
Causes damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Flammable liquid and vapor.

Physical and Health Hazards Not Otherwise Classified
Not applicable.

Precautionary Statements

Prevention
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- 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.
- 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.
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice
- If exposed or concerned: Get medical attention/advice
- Specific treatment (see supplemental first aid instructions on this label)

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.
- Wash contaminated clothing before reuse.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Inhalation
- None

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.

Spills and Leaks
• None

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

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

Other information
Harmful to aquatic life.

72.2% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	42.85	-	-
Petroleum distillates, hydrotreated light	64742-47-8	4.14	-	-
Methyl ethyl ketoxime	96-29-7	2.95	-	-
Diacetone alcohol	123-42-2	1.93	-	-
Stoddard solvent	8052-41-3	0.11	-	-

4. FIRST AID MEASURES

Description of necessary first-aid measures

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Drink plenty of water. Rinse mouth. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Aspiration hazard if swallowed - can enter lungs and cause damage.

Protection of First-aiders Remove all sources of ignition.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects May cause allergic skin reaction. Eye irritation/reactions. Aspiration into lungs can produce severe lung damage.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Water fog. Foam. Dry chemical. Carbon dioxide (CO_2).

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	Yes.

Protective Equipment and Precautions for Firefighters Cool closed containers exposed to fire with water spray. 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 Remove all sources of ignition. Take precautionary measures against static discharges. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Stop leak if you can do it without risk.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Non-sparking tools should be used. Small spillage: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Large spillage: Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Ground and bond all lines and equipment associated with product system. All equipment should be non-sparking and explosion proof.

Conditions for safe storage, including any incompatibilities

Storage Keep away from open flames, hot surfaces and sources of ignition. Keep away from incompatible materials. Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children. Keep container closed when not in use.

Incompatible Products Strong oxidizing agents. Strong acids. Strong reducing agents. Strong alkalis.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light 64742-47-8	TWA: 5 mg/m³ STEL: 10 mg/m³ (as oil mist)	TWA: 5 mg/m³ (as oil mist)	-
Diacetone alcohol 123-42-2	TWA: 50 ppm	TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 50 ppm (vacated) TWA: 240 mg/m³	IDLH: 1800 ppm TWA: 50 ppm TWA: 240 mg/m³
Stoddard solvent 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m³	IDLH: 20000 mg/m³ Ceiling: 1800 mg/m³ 15 min TWA: 350 mg/m³

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Goggles.
Skin and Body Protection Chemical resistant gloves. Risk of contact: Apron. Boots.
Respiratory Protection No special protective equipment required. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Viscous liquid.
Appearance Opaque, Varies.
Odor Mild.
Odor Threshold No information available.

Property	Values	Remarks/ - Method
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	136.1-251.7 °C / 277- 485 °F	None known
Flash Point	40.6 °C / 105 °F	None known
Evaporation rate		None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available 7.0	
lower flammability limit	No data available 1.10	
Vapor Pressure	No data available	None known
Vapor Density	> 1 (air = 1)	None known
Specific Gravity	No data available	None known
Water Solubility	Negligible	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Flammable Properties Flammable; may be ignited by heat, sparks or flames.

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) A498M Orange: 42.28%
A991M Green: 38.74%
A992M Red: 39.94%
A993M Yellow: 40.08%
A994M Blue: 37.62%

VOC (g/l) A498M Orange: 430 g/L
A991M Green: 377 g/L
A992M Red: 385 g/L
A993M Yellow: 374 g/L
A994M Blue: 364 g/L

10. STABILITY AND REACTIVITY

Reactivity No data available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to avoid Heat, flames and sparks. Incompatible products.

Incompatible materials Strong oxidizing agents. Strong acids. Strong reducing agents. Strong alkalis.

Hazardous decomposition products Carbon oxides. Soot. Smoke

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye Contact Causes serious eye irritation
Skin Contact May cause allergic skin reaction.
Ingestion Ingestion may cause nausea and vomiting. Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

Numerical measures of toxicity - Product

Unknown acute toxicity 72.2% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 8181 mg/kg; Acute toxicity estimate
LD50 Dermal 5845 mg/kg; Acute toxicity estimate
Inhalation
dust/mist 678 mg/L; Acute toxicity estimate

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Solvent naphtha (petroleum), medium aliphatic	> 25 mL/kg (Rat)	> 3000 mg/kg (Rabbit)	> 13 mg/L (Rat) 4 h
Petroleum distillates, hydrotreated light	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Methyl ethyl ketoxime	= 930 mg/kg (Rat)	1000 - 1800 mg/kg (Rabbit)	> 4800 mg/m³ (Rat) 4 h
Diacetone alcohol	> 4 g/kg (Rat)	= 13630 mg/kg (Rabbit) = 13500 mg/kg (Rabbit)	> 7.23 g/m³ (Rat) 8 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Respiratory or Skin Sensitization May cause sensitization of susceptible persons. May cause sensitization by skin contact.
Germ Cell Mutagenicity Contains a known or suspected mutagen. May cause genetic defects.
Carcinogenicity Contains a known or suspected carcinogen. Suspected of causing cancer

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.
Target Organ Effects Central nervous system (CNS). Eyes. Liver. Respiratory system. Skin.
Aspiration Hazard May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	EC50 96 h: = 450 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 800 mg/L static (Pimephales promelas)		EC50 48 h: > 100 mg/L (Daphnia magna)
Petroleum distillates, hydrotreated light 64742-47-8		LC50 96 h: = 2.2 mg/L static (Lepomis macrochirus) LC50 96 h: = 2.4 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 45 mg/L flow-through (Pimephales promelas)		LC50 96 h: = 4720 mg/L (Den-dronereides heteropoda)
Methyl ethyl ketoxime 96-29-7	EC50 72 h: = 83 mg/L (Desmodesmus subspicatus)	LC50 96 h: 320 - 1000 mg/L static (Leuciscus idus) LC50 96 h: 777 - 914 mg/L flow-through (Pimephales promelas) LC50 96 h: = 760 mg/L static (Poecilia reticulata)	EC50 = 281 mg/L 17 h EC50 = 950 mg/L 5 min	EC50 48 h: = 750 mg/L (Daphnia magna)
Diacetone alcohol 123-42-2		LC50 96 h: = 420 mg/L (Lepomis macrochirus) LC50 96 h: = 420 mg/L static (Lepomis macrochirus)		EC50 24 h: = 8750 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation

Chemical Name	Log Pow
Methyl ethyl ketoxime	0.65
Diacetone alcohol	1.03

Mobility No information available.

Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with local/regional/national regulations.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

UN-Number	UN1993
Proper shipping name	Flammable liquids, n.o.s.
Hazard Class	3
Packing Group	III
Description	UN1993, Flammable liquids, n.o.s. (Solvent naphtha (petroleum), medium aliphatic, Petroleum distillates, hydrotreated light), 3, III
Emergency Response Guide Number	128

TDG

UN-Number	UN1993
Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
Packing Group	III
Description	UN1993, Flammable liquid, n.o.s. (Solvent naphtha (petroleum), medium aliphatic, Petroleum distillates, hydrotreated light), 3, III

MEX

UN-Number	UN1993
Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
Packing Group	III
Description	UN1993, Flammable liquid, n.o.s. (Solvent naphtha (petroleum), medium aliphatic, Petroleum distillates, hydrotreated light), 3, III

IATA

UN-Number	UN1993
Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
Packing Group	III
ERG Code	3L
Description	UN1993, Flammable liquid, n.o.s. (Solvent naphtha (petroleum), medium aliphatic, Petroleum distillates, hydrotreated light), 3, III

IMDG/IMO

UN-Number	UN1993
Proper Shipping Name	Flammable liquid, n.o.s.
Hazard Class	3
Packing Group	III
EmS No.	F-E, S-E
Description	UN1993, Flammable liquid, n.o.s. (Solvent naphtha (petroleum), medium aliphatic, Petroleum distillates, hydrotreated light), 3, III, (40.6°C c.c.)

15. REGULATORY INFORMATION

International Regulations

Ozone depleting substances	Not applicable
Persistent Organic Pollutants	Not applicable
Hazardous Waste	Not applicable
The Rotterdam Convention (Prior Informed Consent)	Not applicable
International Convention for the Prevention of Pollution from Ships (MARPOL)	Not applicable

International Inventories

TSCA	Complies

DSL Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

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

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Ethylbenzene	100-41-4	Carcinogen
Formaldehyde	50-00-0	Carcinogen
Toluene	108-88-3	Developmental
Cumene	98-82-8	Carcinogen
Quartz	14808-60-7	Carcinogen

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Solvent naphtha (petroleum), medium aliphatic	X				
Diacetone alcohol	X	X	X		X
Ethylbenzene	X	X	X	X	X
Xylene, mixed isomers	X	X	X	X	X

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA **Health Hazard** 2 **Flammability** 2 **Instability** 0 **Physical and Chemical Hazards** -

HMIS **Health Hazard** 2* **Flammability** 2 **Physical Hazard** 0 **Personal Protection** X
**Indicates a chronic health hazard.*

Prepared By Product Stewardship

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General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet