



SAFETY DATA SHEET

Revision Date 15-May-2017

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 LPS® SAFE-MARK FOOD CONTACT SURFACE MARKER - BLACK

Other means of identification

Product Code(s) 57802

UN-Number UN1263

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Solvent based marker

Uses advised against No information available

Supplier's details

Initial Supplier
ITW Permatex Canada
1-35 Brownridge Road
Halton Hills, ON, L7G 0C6
Canada
TEL: 1-800-452-5823

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

Emergency telephone number

Emergency Telephone Number INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

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.

Acute Inhalation Toxicity - Vapors

Category 4

Serious Eye Damage/Eye Irritation	Category 2
Carcinogenicity	Category 2
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3
Flammable liquids	Category 2

Label Elements

Danger



Hazard Statements

Harmful if inhaled
Causes serious eye irritation
Suspected of causing cancer.
May cause respiratory irritation
Highly flammable liquid and vapor.

Physical and Health Hazards Not Otherwise Classified

Not applicable.

Precautionary Statements

Prevention

- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wash face, hands and any exposed skin thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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.

General Advice

- Call a POISON CENTER or doctor/physician if you feel unwell.

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

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Fire

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

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

May be harmful if swallowed. May be harmful if absorbed through skin.

8.11% 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)
Methyl isobutyl ketone	108-10-1	60-80	-	-
Cyclohexanone	108-94-1	15-20	-	-

4. FIRST AID MEASURES

Description of necessary first-aid measures

- Eye Contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, repeat flushing.
- Skin Contact** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
- Ingestion** IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Drowsiness. Dizziness. Eye irritation/reactions.

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

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use: Carbon dioxide (CO₂). Dry chemical. Foam.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical Highly flammable. Most vapors are heavier than air. Vapors may spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Use water spray to cool unopened containers.

Hazardous Combustion Products Carbon oxides.

Explosion Data
Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Yes.

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 ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray Wear protective gloves/protective clothing/eye protection/face protection.

Environmental Precautions

Environmental Precautions 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 Dike far ahead of liquid spill for later disposal.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use personal protective equipment. Use non-sparking tools and equipment. Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Keep away from heat, sparks and open flame. 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 discharges. Wear protective gloves/ eye protection/ face protection Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray Use only outdoors or in a well-ventilated area.

Conditions for safe storage, including any incompatibilities

Storage Store in a well-ventilated place. Keep cool.

Incompatible Products Acids. Aldehydes. Bases. Halogens. Oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl isobutyl ketone 108-10-1	STEL: 75 ppm TWA: 20 ppm	TWA: 100 ppm TWA: 410 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 205 mg/m ³ (vacated) STEL: 75 ppm	IDLH: 500 ppm TWA: 50 ppm TWA: 205 mg/m ³ STEL: 75 ppm STEL: 300 mg/m ³

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) 87.8

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 materials Acids. Aldehydes. Bases. Halogens. Oxidizing agents.
Hazardous decomposition products Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information There is no data available for this product
Inhalation May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
Eye Contact Causes serious eye irritation.
Skin Contact May be harmful if absorbed through skin Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion May be harmful if swallowed. May cause additional effects as listed under "Inhalation".

Numerical measures of toxicity - Product

Unknown acute toxicity 8.11% 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 2217 mg/kg; Acute toxicity estimate
LD50 Dermal 2314 mg/kg; Acute toxicity estimate
Inhalation
Vapor 13 mg/L; Acute toxicity estimate

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Methyl isobutyl ketone	= 2080 mg/kg (Rat)	> 16000 mg/kg (Rabbit)	= 8.2 mg/L (Rat) 4 h
Cyclohexanone	= 1544 mg/kg (Rat)	= 947 mg/kg (Rabbit)	= 8000 ppm (Rat) 4 h
Carbon black	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Eye irritation/reactions. May cause drowsiness and dizziness

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

Respiratory or Skin Sensitization No information available.
Germ Cell Mutagenicity No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
Methyl isobutyl ketone	A3	Group 2B		X
Cyclohexanone	A3	Group 3		

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to its Carcinogenicity to Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive Toxicity

No information available.

STOT - single exposure

May cause respiratory irritation May cause drowsiness or dizziness

STOT - repeated exposure

No information available.

Aspiration Hazard

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not Classified

8.56091% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Methyl isobutyl ketone 108-10-1	EC50 96 h: = 400 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: 496 - 514 mg/L flow-through (Pimephales promelas)	EC50 = 79.6 mg/L 5 min	EC50 48 h: = 170 mg/L (Daphnia magna)
Cyclohexanone 108-94-1	EC50 96 h: = 20 mg/L (Chlorella vulgaris)	LC50 96 h: 481 - 578 mg/L flow-through (Pimephales promelas) LC50 96 h: = 8.9 mg/L (Pimephales promelas)	EC50 = 18.5 mg/L 5 min EC50 = 21.3 mg/L 10 min EC50 = 25 mg/L 5 min	EC50 24 h: = 800 mg/L (Daphnia magna)
Carbon black 1333-86-4				EC50 24 h: > 5600 mg/L (Daphnia magna)

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Log Pow
Methyl isobutyl ketone	1.19
Cyclohexanone	0.86

Mobility

No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging

Empty containers pose a potential fire hazard. Do not cut, puncture or weld containers.

US EPA Waste Number D001

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl isobutyl ketone - 108-10-1		Included in waste stream: F039		U161
Cyclohexanone - 108-94-1		Included in waste stream: F039		U057

14. TRANSPORT INFORMATION

DOT

UN-Number UN1263
 Proper shipping name Paint
 Hazard Class 3
 Packing Group II
 Description UN1263, Paint, 3, II, Limited Quantity
 Emergency Response Guide Number 128

TDG

UN-Number UN1263
 Proper Shipping Name Paint
 Hazard Class 3
 Packing Group II
 Description UN1263, Paint, 3, II, Limited Quantity

MEX

UN-Number UN1263
 Proper Shipping Name Paint
 Hazard Class 3
 Packing Group II
 Description UN1263, Paint, 3, II, Limited Quantity

IATA

UN-Number ID8000
 Proper Shipping Name Consumer commodity
 Hazard Class 9
 ERG Code 9L
 Description ID8000, Consumer commodity, 9

IMDG/IMO

UN-Number UN1263
 Proper Shipping Name Paint
 Hazard Class 3
 Packing Group II
 EmS No. F-E, S-E
 Description UN1263, Paint, 3, II, (15.6°C c.c.), Limited Quantity

15. REGULATORY INFORMATION

International Regulations

Ozone depleting substances Not applicable
 Persistent Organic Pollutants Not applicable
 Hazardous Waste Not applicable

Chemical Name	Basel Convention (Hazardous Wastes)
Methyl isobutyl ketone	Y42

The Rotterdam Convention (Prior Not applicable

Informed Consent)

International Convention for the Prevention of Pollution from Ships (MARPOL) Not applicable

International Inventories

TSCA Complies
 DSL Complies
 NDSL 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Methyl isobutyl ketone	108-10-1	70.5	1.0

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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Methyl isobutyl ketone	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Cyclohexanone	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals: The classification below only applies to respirable carbon black.

Chemical Name	CAS-No	California Prop. 65
Methyl isobutyl ketone	108-10-1	Carcinogen Developmental
Carbon black	1333-86-4	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Methyl isobutyl ketone	X	X	X	X	X
Cyclohexanone	X	X	X	X	X
Carbon black	X	X	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	Health Hazard 2	Flammability 3	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 2*	Flammability 3	Physical Hazard 0	Personal Protection X

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