Safety Data Sheet

Issue date 01-Jun-2018 **Revision date** 28-Sep-2018 **Revision Number** 2

1. IDENTIFICATION

Product identification

Product identifier	Lawson Fluorescent Red/Orange Inverted Tip Marking Paint
Other means of identification	95785
Recommended use	Paint
Restrictions on use	Not applicable

Supplier

Corporate Headquarters:
Lawson Products, Inc.
8770 W. Bryn Mawr Ave., Suite 900
Chicago, IL 60631
(866) 837-9908

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

Website www.lawsonproducts.com

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS 2015 and GHS Regulations.

Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

Symbol

Signal word DANGER

Hazard statements

H222 - Extremely flammable aerosol
H280 - Contains gas under pressure; may explode if heated
H373 - May cause damage to organs through prolonged or repeated exposure
H335 - May cause respiratory irritation

Precautionary statements

General
P101 - If medical advice is needed, have product container or label at hand
P103 - Read label before use.
P102 - Keep out of reach of children

Prevention
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source
P271 - Use only outdoors or in a well-ventilated area
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P251 - Pressurized container: Do not pierce or burn, even after use

Response

General
P312 - Call a POISON CENTER or doctor if you feel unwell
P308 + P313 - IF exposed or concerned: Get medical advice/attention

Inhalation
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Storage
P405 - Store locked up
P412 - Do not expose to temperatures exceeding 50 °C/122 °F
P410 - Protect from sunlight
P403 - Store in a well-ventilated place

Disposal
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Hazard(s) Not Otherwise Classified (HNOC)
None known.

Physical Hazards Not Otherwise Classified (PHNOC)
None known.

Unknown acute toxicity
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition
This product is a mixture of the substances listed below with nonhazardous additions.

Chemical name	CAS-No	Weight %
VM&P Naphtha	64742-89-8	18.38
Propane	74-98-6	15.11
Calcium carbonate	1317-65-3	11.53
N-Butane	106-97-8	8.88
Mineral Spirits	64742-47-8	3.77
Isobutyl acetate	110-19-0	3.24
Ethyl benzene	100-41-4	<1

4. FIRST-AID MEASURES

Necessary first-aid measures

Inhalation
Supply fresh air. Consult doctor in case of complaint.

Ingestion	After swallowing, rinse out mouth and then drink plenty of water. Rinse mouth with water. Do NOT induce vomiting.
Skin contact	Remove contaminated clothing. Wash exposed area with soap and water.
Eye contact	Rinse opened eye for several minutes under running water. Then consult a doctor.
Most important symptoms (acute)	Dizziness.
Most important symptoms (over-exposure)	No further relevant information available.
Indication of any immediate medical attention and special treatment needed	No further relevant information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide (CO2). Extinguishing powder. Water spray. Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media	Not available.
Specific hazards	Can form explosive gas-air mixtures.
Special protective equipment for fire-fighters	A respiratory protective device may be necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear personal protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol.
Methods and materials for containment and cleaning up	Absorb liquid components with liquid-binding material.

7. HANDLING AND STORAGE

Precautions for safe handling	Use only in a well ventilated area.
Conditions for safe storage, including any incompatibilities	Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
VM&P Naphtha	-			
Propane	1000 ppm TWA 1800 mg/m³ TWA	1000 ppm PEL; 1800 mg/m³ PEL		1000 ppm TWA 1800 mg/m³ TWA 1000 ppm TWA 1800 mg/m³ TWA

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
Calcium carbonate	15 mg/m³ TWA 5 mg/m³ TWA	5 mg/m³ PEL (respirable fraction, listed under Particulates not otherwise regulated); 10 mg/m³ PEL (total dust, listed under Particulates not otherwise regulated)		10 mg/m³ TWA 5 mg/m³ TWA
N-Butane	-	800 ppm PEL; 1900 mg/m³ PEL		800 ppm TWA 1900 mg/m³ TWA 1000 ppm TWA 1800 mg/m³ TWA
Mineral Spirits	-			
Isobutyl acetate	150 ppm TWA 700 mg/m³ TWA	150 ppm PEL; 700 mg/m³ PEL	50 ppm TWA	150 ppm TWA 700 mg/m³ TWA
Ethyl benzene	TWA: 100 ppm TWA: 435 mg/m³	5 ppm PEL; 22 mg/m³ PEL	20 ppm TWA	100 ppm TWA 435 mg/m³ TWA

Appropriate engineering controls

Not available.

Individual protection measures, such as personal protective equipment

Eye protection

Tightly fitting safety goggles.

Skin and body protection

Nitrile gloves. Protective gloves. The glove material must be impermeable and resistant to the substance.

Respiratory protection

A respirator is generally not necessary when using this product outdoors or in a large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

Hygiene measures

Wash hands after use. Do not eat or drink while working.

Canadian Province Occupational Exposure Limits

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
VM&P Naphtha	-	-	-	-	-	-	-	-	-	-
Propane	1000 ppm TWA 1640 mg/m³ TWA	1000 ppm TWA	-	1000 ppm TWA 1640 mg/m³ TWA	-	-	-	-	1000 ppm TWAEV 1800 mg/m³ TWAEV 1000 ppm TWAEV 1640 mg/m³ TWAEV	1000 ppm TWA 1000 ppm TWA 1000 ppm TWA
Calcium carbonate	10 mg/m³ TWA	10 mg/m³ TWA 3 mg/m³ TWA	-	10 mg/m³ TWA	-	-	-	-	10 mg/m³ TWAEV	10 mg/m³ TWA
N-Butane	1000 ppm TWA 1640 mg/m³ TWA	1000 ppm TWA	-	800 ppm TWA 1900 mg/m³ TWA 1000 ppm TWA 1640 mg/m³ TWA	-	-	-	-	800 ppm TWAEV 1900 mg/m³ TWAEV 1000 ppm TWAEV 1640 mg/m³ TWAEV	1000 ppm TWA 1000 ppm TWA 1000 ppm TWA 1000 ppm TWA
Mineral Spirits	-	-	-	-	-	-	-	-	-	-
Isobutyl acetate	150 ppm TWA	50 ppm TWA	50 ppm TWA	150 ppm TWA	50 ppm TWA	50 ppm TWA	50 ppm TWA	50 ppm TWA	50 ppm TWAEV	150 ppm TWA

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
	713 mg/m³ TWA			713 mg/m³ TWA	50 ppm TWA			50 ppm TWA		
Ethyl benzene	100 ppm TWA 434 mg/m³ TWA	20 ppm TWA	20 ppm TWA	100 ppm TWA 434 mg/m³ TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWAEV	100 ppm TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Aerosol

Color fluorescent, Red/Orange

Odor Aromatic

Odor threshold Not available

pH Not available

Melting point/range °C Not available

Melting point/range °F Not available

Boiling point/range °C -44 °C

Boiling point/range °F -47 °F

Flash point °C -19

Flash point °F -2

Flash point method used Not available

Evaporation rate Not available

Flammability (Solid, Gas) Extremely flammable

Lower explosion limit 0.5 %

Upper explosion limit 10.9 %

Vapor pressure Not available

Vapor density Not available

Relative density 0.77-0.85

Solubility Not available

Partition coefficient (n-octanol/water) Not available

Autoignition temperature °C Product is not self-igniting

Autoignition temperature °F Product is not self-igniting

Decomposition temperature °C Not available

Decomposition temperature °F Not available

Viscosity Not available

10. STABILITY AND REACTIVITY

Reactivity Stable at normal temperatures.

Chemical stability Not fully evaluated. In use, may form flammable/explosive vapour-air mixture.

Possibility of hazardous reactions None known.

Conditions to avoid Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing conditions.

Incompatible materials No further relevant information available.

Hazardous decomposition products None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Not available.

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure No data available. No sensitizing effects known.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
VM&P Naphtha	-	= 5000 mg/kg Mouse 3000 mg/kg Rabbit	5000 mg/kg Mouse = 3000 mg/kg Rabbit
Propane	658 mg/L (Rat) 4h	-	-
Calcium carbonate	no data available	-	6450 mg/kg (Rat)
N-Butane	658 g/m^3 Rat	-	-
Mineral Spirits	>5.2 mg/L Rat	> 5000 mg/kg Rat >2000 mg/kg Rabbit	>5000 mg/kg Rat > 2000 mg/kg Rabbit
Isobutyl acetate	-	= 15400 mg/kg Rat >17400 mg/kg Rabbit	15400 mg/kg Rat > 17400 mg/kg Rabbit
Ethyl benzene	= 17.2 mg/L (Rat) 4 h	15354 mg/kg (Rabbit)	= 3500 mg/kg (Rat)

ATEmix (dermal) Not available

ATEmix (oral) Not available

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) Not available

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA Carcinogens	NTP
VM&P Naphtha	-	-	-	-
Propane	-	-	-	-
Calcium carbonate	-	-	-	-
N-Butane	-	-	-	-
Mineral Spirits	-	-	-	-
Isobutyl acetate	-	-	-	-
Ethyl benzene	A3	Group 2B	X	-

Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
VM&P Naphtha	-	-	-	-	-	-
Propane	-	-	-	-	-	-
Calcium carbonate	-	-	-	-	-	-
N-Butane	-	-	-	-	-	-
Mineral Spirits	-	-	-	-	-	-
Isobutyl acetate	-	-	-	-	-	-
Ethyl benzene	-	IARC 2B	ACGIH A3	-	ACGIH A3	C3 Carcinogen

12. ECOLOGICAL INFORMATION

Ecotoxicity Hazardous for water, do not empty into drains.

Chemical name	Algae/aquatic plants	Fish LC50
VM&P Naphtha	=4700mg/L Pseudokirchneriella subcapitata 72h	-
Propane	-	-
Calcium carbonate	-	-
N-Butane	-	-
Mineral Spirits	-	= 2.2mg/L Lepomis macrochirus 96h = 2.4mg/L Oncorhynchus mykiss 96h = 45mg/L Pimephales promelas 96h
Isobutyl acetate	-	101 - 123mg/L Leuciscus idus melanotus 48h = 101mg/L Leuciscus idus melanotus 48h = 17mg/L Oryzias latipes 96h
Ethyl benzene	=4.6mg/L Pseudokirchneriella subcapitata 72h >438mg/L Pseudokirchneriella subcapitata 96h 2.6 - 11.3mg/L Pseudokirchneriella subcapitata 72h 1.7 - 7.6mg/L Pseudokirchneriella subcapitata 96h =11mg/L Pseudokirchneriella subcapitata 72h	11.0 - 18.0mg/L Oncorhynchus mykiss 96h 7.55 - 11mg/L Pimephales promelas 96h 9.1 - 15.6mg/L Pimephales promelas 96h = 32mg/L Lepomis macrochirus 96h = 4.2mg/L Oncorhynchus mykiss 96h = 9.6mg/L Poecilia reticulata 96h

Persistence and degradability The product is degradable after prolonged exposure to natural weathering processes.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
VM&P Naphtha 64742-89-8	64742-89-8	-	-
Propane 74-98-6	74-98-6	2.3 <=2.8	-
Calcium carbonate 1317-65-3	1317-65-3	-	-
N-Butane 106-97-8	106-97-8	2.31 at 20 °C (at pH 7, ECHA_API) <=2.8	-
Mineral Spirits 64742-47-8	64742-47-8	-	61 - 159 dimensionless species: fish
Isobutyl acetate 110-19-0	110-19-0	2.3 at 25 °C [OECD Guideline 117] (at pH 7, ECHA_API)	no significant bioconcentration
Ethyl benzene 100-41-4	100-41-4	3.6 at 20 °C [Directive 84/449/EEC, A.8] (at pH 7.84, ECHA_API)	15 dimensionless species: fish

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information Dispose of in accordance with federal, state and local regulations. Do not puncture, incinerate, or crush. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

Contaminated packaging Completely empty cans should be recycled.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT
- **ID-No** UN1950
- **Proper shipping name** Aerosols, flammable
- **Hazard Class(es)** 2.1
- **Special Provisions** LTD QTY

TDG
- **ID-No** UN1950
- **Proper shipping name** Aerosols, flammable
- **Hazard Class(es)** 2.1
- **Special Provisions** LTD QTY

IATA
- **ID-No** UN1950
- **Proper shipping name** Aerosols, flammable
- **Hazard Class(es)** 2.1
- **Special Provisions** LTD QTY

IMDG/IMO
- **ID-No** UN1950
- **Proper shipping name** Aerosols
- **Hazard Class(es)** 2.1
- **Special Provisions** LTD QTY

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
VM&P Naphtha	64742-89-8	-	-	-
Propane	74-98-6	-	-	-
Calcium carbonate	1317-65-3	-	-	-
N-Butane	106-97-8	-	-	-
Mineral Spirits	64742-47-8	-	-	-
Isobutyl acetate	110-19-0	-	-	-
Ethyl benzene	100-41-4	-	-	-

Special Precautions

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
VM&P Naphtha	64742-89-8	-	-	-
Propane	74-98-6	X	X	X
Calcium carbonate	1317-65-3	X	X	X
N-Butane	106-97-8	X	X	X
Mineral Spirits	64742-47-8	-	-	-
Isobutyl acetate	110-19-0	X	X	X
Ethyl benzene	100-41-4	X	X	X

California Prop. 65

Chemical name	CAS-No	California Prop. 65
VM&P Naphtha	64742-89-8	-
Propane	74-98-6	-
Calcium carbonate	1317-65-3	-
N-Butane	106-97-8	-
Mineral Spirits	64742-47-8	-
Isobutyl acetate	110-19-0	-
Ethyl benzene	100-41-4	Carcinogen

California Proposition 65 WARNING: This product contains a chemical(s) known to the state of California to cause cancer

U.S. Federal Regulations

US EPA SARA 313

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
VM&P Naphtha	64742-89-8	-	-
Propane	74-98-6	-	-
Calcium carbonate	1317-65-3	-	-
N-Butane	106-97-8	-	-
Mineral Spirits	64742-47-8	-	-
Isobutyl acetate	110-19-0	5000 lb 2270 kg	-
Ethyl benzene	100-41-4	1000 lb 454 kg	0.1 %

US EPA SARA 311/312 hazardous categorization Not available

TSCA and Canadian Inventories

Chemical name	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification	DSL	NDSL
VM&P Naphtha	X	-	X	-
Propane	X	-	X	-
Calcium carbonate	X	-	-	X
N-Butane	X	-	X	X
Mineral Spirits	X	-	X	-
Isobutyl acetate	X	-	X	-
Ethyl benzene	X	-	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health Not available
Flammability Not available
Instability Not available

HMIS

Health Not available
Flammability Not available
Physical hazards Not available

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
ATE (Average Toxicity Estimate)
DSL/NDSL (Domestic Substance List/Non-Domestic Substance List)
HMIS (Hazardous Materials Identification System)
IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)
IMDG/IMO (International Maritime Dangerous Goods/International Maritime Orgnaization)
NFPA (National Fire Protection Association)
NTP (National Toxicology Program)
OEL (Occupational Exposure Level)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
TSCA (Toxic Substance Control Act)
USEPA (United States Environmental Protection Agency)

Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet