

**Issue date** 17-Jul-2018

**Revision date** 08-Nov-2022

**Revision Number** 2

## 1. IDENTIFICATION

**Product identification**

Product identifier	Rotanium Clear Insul-Spray Flexible Electronic Sealer
Other means of identification	P92116
Recommended use	Electrical contact cleaner
Restrictions on use	For industrial use only

**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](http://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.

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed gas

**Symbol**

**Signal word**
**DANGER**

<b>Hazard statements</b>	H222 - Extremely flammable aerosol H280 - Contains gas under pressure; may explode if heated H304 - May be fatal if swallowed and enters airways H315 + H320 - Causes skin and eye irritation H336 - May cause drowsiness or dizziness H351 - Suspected of causing cancer H361 - Suspected of damaging fertility or the unborn child H373 - May cause damage to organs through prolonged or repeated exposure
<b>Precautionary statements</b>	
<b>General</b>	P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P103 - Read label before use.
<b>Prevention</b>	P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood 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 P251 - Pressurized container: Do not pierce or burn, even after use P260 - Do not breathe dust/fume/gas/mist/vapors/spray P264 - Wash face, hands and any exposed skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing and eye/face protection
<b>Response</b>	
<b>General</b>	P308 + P313 - IF exposed or concerned: Get medical advice/attention P321 - Specific treatment (see supplemental first aid instructions on this label)
<b>Eyes</b>	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention
<b>Skin</b>	P302 + P352 - IF ON SKIN: Wash with plenty of soap and water P332 + P313 - If skin irritation occurs: Get medical advice/attention P362 - Take off contaminated clothing and wash before reuse
<b>Inhalation</b>	P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell
<b>Ingestion</b>	P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician P331 - Do NOT induce vomiting
<b>Fire</b>	Not applicable
<b>Spill</b>	Not applicable
<b>Storage</b>	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
<b>Disposal</b>	P501 - Dispose of contents/ container to an approved waste disposal plant
<b>Hazard(s) Not Otherwise Classified (HNOC)</b>	None known.
<b>Physical Hazards Not</b>	None known.

**Otherwise Classified (PHNOC)**

Unknown acute toxicity 0.00351%.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Composition**

Chemical name	CAS-No	Weight %
Propane	68476-86-8	20-40
Acetone	67-64-1	20-40
Xylenes (o-, m-, p- isomers)	1330-20-7	10-30
Toluene	108-88-3	10-30
Ethyl benzene	100-41-4	1-10
Benzene	71-43-2	<1

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

**4. FIRST-AID MEASURES**

**Necessary first-aid measures**

<b>General Information</b>	Avoid contact with eyes, skin, and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.
<b>Ingestion</b>	Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.
<b>Skin contact</b>	Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use. Get medical attention if symptoms occur.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.

**Most important symptoms (acute)** Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. Harmful if swallowed. Inhalation causes Central Nervous System effects. May cause drowsiness or dizziness. Difficulty breathing. Ingestion causing lung damage.

**Most important symptoms (over-exposure)** Not available.

**Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media** Water fog. Dry chemical. Carbon dioxide (CO2). Cool containers / tanks with water spray.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards** Sensitivity to static discharge. Extremely Flammable Aerosol. Container may burst in fire.

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures** Use with adequate ventilation to keep exposure levels below the OELS. Report spills as required by local and federal regulations. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Methods and materials for containment and cleaning up** Prevent further leakage or spillage if safe to do so. Contain liquid and collect with an inert, non-combustible material.

**7. HANDLING AND STORAGE**

**Precautions for safe handling** Avoid contact with skin and eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin, nail, or any other sharp object into opening on top of can. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Do not lay on its side - keep upright.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a cool, well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

Chemical name	OSHA PEL (TWA)	California - PELs	ACGIH OEL (TWA)	NIOSH - TWA
Propane	-			
Acetone	1000 ppm TWA 2400 mg/m <sup>3</sup> TWA	500 ppm PEL; 1200 mg/m <sup>3</sup> PEL	250 ppm TWA	250 ppm TWA 590 mg/m <sup>3</sup> TWA
Xylenes (o-, m-, p- isomers)	100 ppm TWA 435 mg/m <sup>3</sup> TWA	100 ppm PEL; 435 mg/m <sup>3</sup> PEL	20 ppm TWA	
Toluene	200 ppm TWA	10 ppm PEL; 37 mg/m <sup>3</sup> PEL	20 ppm TWA	100 ppm TWA 375 mg/m <sup>3</sup> TWA
Ethyl benzene	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	5 ppm PEL; 22 mg/m <sup>3</sup> PEL	20 ppm TWA	100 ppm TWA 435 mg/m <sup>3</sup> TWA
Benzene	10 ppm TWA 1 ppm TWA	1 ppm PEL	0.5 ppm TWA Skin	0.1 ppm TWA

**Appropriate engineering controls** Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELs.

**Individual protection measures, such as personal protective equipment**

**Eye protection** Safety glasses with side-shields.

**Skin and body protection** Chemical resistant apron. Chemical resistant gloves. Nitrile gloves are recommended.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respirator is recommended. Positive-pressure supplied air respirators may be required for high airborne contaminant concentration. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

**Canadian Province Occupational Exposure Limits**

Chemical name	AB	BC	MB	NB	NL	NS	ON	PE	QC	SK
Propane	-	-	-	-	-	-	-	-	-	-
Acetone	500 ppm TWA 1200 mg/m <sup>3</sup> TWA	250 ppm TWA	250 ppm TWA	500 ppm TWA 1188 mg/m <sup>3</sup> TWA	250 ppm TWA	250 ppm TWA	250 ppm TWA	250 ppm TWA	500 ppm TWA 1190 mg/m <sup>3</sup> TWA	500 ppm TWA
Xylenes (o-, m-, p-isomers)	100 ppm TWA 434 mg/m <sup>3</sup> TWA	100 ppm TWA	20 ppm TWA	100 ppm TWA 434 mg/m <sup>3</sup> TWA	20 ppm TWA	20 ppm TWA	100 ppm TWA	20 ppm TWA	100 ppm TWA 434 mg/m <sup>3</sup> TWA	100 ppm TWA
Toluene	50 ppm TWA 188 mg/m <sup>3</sup> TWA	20 ppm TWA	20 ppm TWA	50 ppm TWA 188 mg/m <sup>3</sup> TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	50 ppm TWA 188 mg/m <sup>3</sup> TWA	50 ppm TWA
Ethyl benzene	100 ppm TWA 434 mg/m <sup>3</sup> TWA	20 ppm TWA	20 ppm TWA	100 ppm TWA 434 mg/m <sup>3</sup> TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	20 ppm TWA	100 ppm TWA
Benzene	0.5 ppm TWA 1.6 mg/m <sup>3</sup> TWA	0.5 ppm TWA	0.5 ppm TWA	0.5 ppm TWA 1.6 mg/m <sup>3</sup> TWA	0.5 ppm TWA	0.5 ppm TWA	0.5 ppm TWA 0.5 ppm TWA	0.5 ppm TWA	1 ppm TWA 3 mg/m <sup>3</sup> TWA	-

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	Aerosol
<b>Color</b>	Opaque, Amber
<b>Odor</b>	Solvent
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting point/range °C</b>	Not available
<b>Melting point/range °F</b>	Not available
<b>Boiling point/range °C</b>	Not available
<b>Boiling point/range °F</b>	Not available
<b>Flash point °C</b>	-97
<b>Flash point °F</b>	-142
<b>Flash point method used</b>	based on propellant
<b>Evaporation rate</b>	Not available
<b>Flammability (Solid, Gas)</b>	Not available
<b>Lower explosion limit</b>	Not available
<b>Upper explosion limit</b>	Not available

<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	0.800
<b>Solubility</b>	Practically insoluble in water
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Autoignition temperature °C</b>	Not available
<b>Autoignition temperature °F</b>	Not available
<b>Decomposition temperature °C</b>	Not available
<b>Decomposition temperature °F</b>	Not available
<b>Viscosity</b>	Not available

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Avoid extreme temperatures. Avoid direct sunlight.
<b>Incompatible materials</b>	Not available.
<b>Hazardous decomposition products</b>	Not available.

**11. TOXICOLOGICAL INFORMATION**

<b>Information on likely routes of exposure</b>	Ingestion. Inhalation. Eyes. Dermal.
<b>Symptoms</b>	Harmful if swallowed. Exposure to high vapor concentrations may cause nervous system effects such as headache, nausea, and dizziness. Irritating to eyes and skin. Prolonged skin contact may defat the skin and produce dermatitis. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal.
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. May cause adverse liver effects. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Prolonged skin contact may defat the skin and produce dermatitis. May be fatal if swallowed and enters airways. Target Organ Effects: Central Nervous System (CNS), Eyes, Respiratory System, Skin. Kidney. Liver.

**Numerical measures of toxicity**

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Propane	-	-	-

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Acetone	50100 mg/m <sup>3</sup> Rat	= 5800 mg/kg Rat >15700 mg/kg Rabbit	5800 mg/kg ( Rat )
Xylenes (o-, m-, p- isomers)	29.08 mg/L Rat >5.04 mg/L Rat	> 1700 mg/kg ( Rabbit )	= 4300 mg/kg ( Rat )
Toluene	12.5 mg/L/4h (Rat)	8390 mg/kg (Rabbit)	636 mg/kg (Rat)
Ethyl benzene	= 17.2 mg/L ( Rat ) 4 h	15354 mg/kg ( Rabbit )	= 3500 mg/kg ( Rat )
Benzene	= 44.66 mg/L ( Rat ) 4 h	= 1800 mg/kg Rat = 810 mg/kg Rat >8200 mg/kg Rabbit	1800 mg/kg ( Rat )

ATEmix (dermal) 5192 mg/kg

ATEmix (oral) 24730 mg/kg

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) Not available

ATEmix (inhalation-dust/mist) 7.5 mg/l

### Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA Carcinogens	NTP
Propane	-	-	-	-
Acetone	A4	-	-	-
Xylenes (o-, m-, p- isomers)	A4	Group 3	-	-
Toluene	A4	Group 3	-	-
Ethyl benzene	A3	Group 2B	X	-
Benzene	A1	Group 1	X	Known

### Canadian Province carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Propane	-	-	-	-	-	-
Acetone	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Xylenes (o-, m-, p- isomers)	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Toluene	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Ethyl benzene	-	IARC 2B	ACGIH A3	-	ACGIH A3	C3 Carcinogen
Benzene	A1 - Confirmed Human Carcinogen	IARC 1 ACGIH A1	ACGIH A1	ACGIH A1	ACGIH A1	C1 carcinogen

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish LC50
Propane	-	-
Acetone	-	4.74 - 6.33mL/L Oncorhynchus mykiss 96h

Chemical name	Algae/aquatic plants	Fish LC50
		6210 - 8120mg/L Pimephales promelas 96h = 8300mg/L Lepomis macrochirus 96h
Xylenes (o-, m-, p-isomers)	=11mg/L Pseudokirchneriella subcapitata 72h	13.1 - 16.5mg/L Lepomis macrochirus 96h 13.5 - 17.3mg/L Oncorhynchus mykiss 96h 2.661 - 4.093mg/L Oncorhynchus mykiss 96h 23.53 - 29.97mg/L Pimephales promelas 96h 30.26 - 40.75mg/L Poecilia reticulata 96h 7.711 - 9.591mg/L Lepomis macrochirus 96h = 13.4mg/L Pimephales promelas 96h = 19mg/L Lepomis macrochirus 96h = 780mg/L Cyprinus carpio 96h > 780mg/L Cyprinus carpio 96h
Toluene	=12.5mg/L Pseudokirchneriella subcapitata 72h >433mg/L Pseudokirchneriella subcapitata 96h	11.0 - 15.0mg/L Lepomis macrochirus 96h 14.1 - 17.16mg/L Oncorhynchus mykiss 96h 15.22 - 19.05mg/L Pimephales promelas 96h 5.89 - 7.81mg/L Oncorhynchus mykiss 96h 50.87 - 70.34mg/L Poecilia reticulata 96h = 12.6mg/L Pimephales promelas 96h = 28.2mg/L Poecilia reticulata 96h = 5.8mg/L Oncorhynchus mykiss 96h = 54mg/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
Benzene	=29mg/L Pseudokirchneriella subcapitata 72h	10.7 - 14.7mg/L Pimephales promelas 96h 22330 - 41160µg/L Pimephales promelas 96h 70000 - 142000µg/L Lepomis macrochirus 96h = 22.49mg/L Lepomis macrochirus 96h = 28.6mg/L Poecilia reticulata 96h = 5.3mg/L Oncorhynchus mykiss 96h

**Persistence and degradability** Not available.

**Bioaccumulation**

Chemical name	CAS-No	Partition coefficient (log Kow)	Bioconcentration factor (BCF)
Propane 68476-86-8	68476-86-8	<=2.8	-
Acetone 67-64-1	67-64-1	-0.24	0.69 dimensionless species: fish
Xylenes (o-, m-, p- isomers) 1330-20-7	1330-20-7	2.77 - 3.15	0.6 - 15 dimensionless
Toluene 108-88-3	108-88-3	2.73 at 20 °C (at pH 7, ECHA_API) 3.44 at 25 °C (at pH 7, ECHA_API); 3.93 at 20 °C (at pH 7, ECHA_API)	-
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
Benzene 71-43-2	71-43-2	2.13 (ECHA_API)	3.5 - 4.4 dimensionless species: fish

**Mobility in soil**

Not available.



Other adverse effects Not available

**13. DISPOSAL CONSIDERATIONS**

**Disposal information** This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging** Do not reuse containers.

**14. TRANSPORTATION INFORMATION**

**Shipping Descriptions**

**DOT**

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

**TDG**

ID-No UN1950  
 Proper shipping name Aerosols  
 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
Propane	68476-86-8	-	-	-
Acetone	67-64-1	-	-	-
Xylenes (o-, m-, p- isomers)	1330-20-7	-	-	-
Toluene	108-88-3	-	-	-
Ethyl benzene	100-41-4	-	-	-
Benzene	71-43-2	-	-	-

**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
Propane	68476-86-8	-	-	-
Acetone	67-64-1	X	X	X
Xylenes (o-, m-, p- isomers)	1330-20-7	X	X	X
Toluene	108-88-3	X	X	X
Ethyl benzene	100-41-4	X	X	X
Benzene	71-43-2	X	X	X

**California Prop. 65**

Chemical name	CAS-No	California Prop. 65
Propane	68476-86-8	-
Acetone	67-64-1	-
Xylenes (o-, m-, p- isomers)	1330-20-7	-
Toluene	108-88-3	Developmental
Ethyl benzene	100-41-4	Carcinogen
Benzene	71-43-2	Carcinogen Developmental Male Reproductive

**U.S. Federal Regulations**

**US EPA SARA 313**

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Propane	68476-86-8	-	-
Acetone	67-64-1	5000 lb 2270 kg	-
Xylenes (o-, m-, p- isomers)	1330-20-7	100 lb 45.4 kg	1.0 %
Toluene	108-88-3	1000 lb 454 kg 1 lb 0.454 kg	1.0 %
Ethyl benzene	100-41-4	1000 lb 454 kg	0.1 %
Benzene	71-43-2	10 lb 4.54 kg	0.1 %

**US EPA SARA 311/312 hazardous categorization**

Sudden Release of Pressure Hazard  
Fire Hazard  
Chronic Health Hazard  
Acute Health Hazard

**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
Propane	X	-	X	-
Acetone	X	-	X	-
Xylenes (o-, m-, p- isomers)	X	-	X	-
Toluene	X	-	X	-
Ethyl benzene	X	-	X	-
Benzene	X	-	X	-

Legend X - Listed

**16. OTHER INFORMATION**

**NFPA**

Health 2  
 Flammability 4  
 Instability 0

**HMIS**

Health 2  
 Flammability 4  
 Physical hazards 1  
 Personal protection B

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 Organization)
- 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**