Rust-Anode Primer

Safety Data Sheet

according to Hazardous Products Regulation (WHMIS Revision 7-8)
according to Federal Register / Vol. 89, No. 98 / Monday, May 20, 2024 / Rules and Regulations (HAZCOM Revision 7-8)
Issue date: 1/17/2023 Revision date: 12/1/2025 Supersedes: 1/17/2023 Version: 2.0

SECTION 1 Identification

1.1. GHS Product identifier

Product form	: Mixture
Product name	: Rust-Anode Primer
Product code	: 300016
Product group	: Trade product

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

No additional information available

1.4. Supplier's details

Galvatech 2000
297 rue Gendron
St-Léon Le Grand, Québec G0J 2W0
Canada
T 1-418-743-2046

1.5. Emergency phone number

Emergency number : Toxyscan : 1-855-780-0599

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable liquids, Category 2	H225	Highly flammable liquid and vapour.
Respiratory sensitization, Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Germ cell mutagenicity, Category 1B	H340	May cause genetic defects (Inhalation).
Carcinogenicity, Category 1B	H350	May cause cancer (Inhalation).
Specific target organ toxicity, Repeated exposure, Category 2	H373	May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation).
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.

Full text of H-statements: see section 16

2.2. GHS label elements, including precautionary statements

GHS CA labelling

Hazard pictograms :

Signal word : Danger

Hazard statements : H225 - Highly flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways

H317 - May cause an allergic skin reaction
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H340 - May cause genetic defects (Inhalation).
H350 - May cause cancer (Inhalation).
H373 - May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation).

Precautionary statements : 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.
P233 - Keep container tightly closed.
P240 - Ground and bond container and receiving equipment.
P241 - Use explosion-proof electrical, lighting, ventilating equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P260 - Do not breathe fume, mist, spray, vapours.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
P284 - Wear respiratory protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313 - IF exposed or concerned: Get medical advice or attention.
P314 - Get medical advice or attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P331 - Do NOT induce vomiting.
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER, a doctor.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use dry extinguishing powder, carbon dioxide (CO2), alcohol resistant foam to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	Conc. (% w/w)
Zinc	-	CAS-No.: 7440-66-6	45 – 70
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	-	CAS-No.: 64742-95-6	5 – 10

Name	Chemical name / Synonyms	Product identifier	Conc. (% w/w)
Isocyanic acid polymethylenepolyphenylene ester ; Polymethylene polyphenylene isocyanate	-	CAS-No.: 9016-87-9	1 – 5
Methylenediphenyl diisocyanate	-	CAS-No.: 26447-40-5	1 – 5
Zinc oxide	-	CAS-No.: 1314-13-2	1 – 5
4-isocyanatosulphonyltoluene; tosyl isocyanate	-	CAS-No.: 4083-64-1	0.1 – 1

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

First-aid measures general : Call a physician immediately.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : None under normal conditions.

Symptoms/effects after ingestion : Risk of lung oedema.

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

Other medical advice or treatment : Treat symptomatically.

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

Environmental precautions : Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

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

Packaging materials : Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Isocyanic acid polymethylenepolyphenylene ester ; Polymethylene polyphenylene isocyanate (9016-87-9)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Polymethylene polyphenyl isocyanate (PAPI)
OEL TWA	0.07 mg/m³
	0.005 ppm
Regulatory reference	Alberta Regulation 191/2021

Zinc oxide (1314-13-2)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³ Respirable
OEL STEL	10 mg/m³ Respirable
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Zinc, oxide
VECD (OEL STEV)	10 mg/m³ Rd
VEMP (OEL TWAEV)	2 mg/m³ Rd
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³ (R - Respirable particulate matter)
OEL STEL	10 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2024
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³ (R - Respirable particulate matter)
OEL STEL	10 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2024
Canada (Ontario) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWAEV	2 mg/m³ (R - Respirable fraction)
	10 mg/m³ (R - Respirable fraction)
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³ (R - Respirable particulate matter)
OEL STEL	10 mg/m³ (R - Respirable particulate matter)

Zinc oxide (1314-13-2)	
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2024
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Zinc oxide, fume and dust
OEL TWA	2 mg/m³ (respirable fraction)
OEL STEL	10 mg/m³ (respirable fraction)
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
USA - ACGIH - Occupational Exposure Limits	
Local name	Zinc oxide
ACGIH® TLV® TWA	2 mg/m³ (R - Respirable particulate matter)
ACGIH® TLV® STEL	10 mg/m³ (R - Respirable particulate matter)
Remark (ACGIH®)	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Zinc oxide
OSHA PEL TWA	5 mg/m³ (Fume) 15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:
Wear recommended personal protective equipment.

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Viscous liquid.
Colour	:	Grey
Odour	:	Solvent
pH	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	167 – 180
Flash point	:	52 Closed cup
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20°C	:	No data available
Relative density	:	2.5
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	88 mPa·s
Explosive limits	:	No data available
Particle characteristics	:	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity	:	Highly flammable liquid and vapour.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	:	No additional information available
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	:	No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Zinc (7440-66-6)	
LD50 oral rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 5410 mg/m³ Source: ECHA

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified (64742-95-6)	
LD50 oral rat	8400 mg/kg Source: RTECS
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LD50 dermal rabbit	> 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 6193 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:
LC50 Inhalation - Rat (Vapours)	5.16 mg/l Source: ECHA
ATE CA (oral)	8400 mg/kg bodyweight
ATE CA (vapours)	5.16 mg/l/4h

Isocyanic acid polymethylenepolyphenylene ester ; Polymethylene polyphenylene isocyanate (9016-87-9)	
LD50 oral rat	49000 mg/kg Source: Corporate Solution From Thomson Micromedex
LD50 dermal rabbit	> 9500 mg/kg Source: Corporate Solution From Thomson Micromedex
LC50 Inhalation - Rat (Vapours)	0.49 mg/l Source: Corporate Solution From Thomson Micromedex
ATE CA (oral)	49000 mg/kg bodyweight
ATE CA (vapours)	0.49 mg/l/4h

Methylenediphenyl diisocyanate (26447-40-5)	
LD50 oral rat	> 2000 mg/kg Source: NITE
LD50 dermal rabbit	> 10000 mg/kg Source: OECD SIDS
LC50 Inhalation - Rat	0.369 mg/kg Source: IUCLID
ATE CA (vapours)	0.369 mg/l/4h
ATE CA (dust,mist)	0.369 mg/l/4h

Zinc oxide (1314-13-2)	
LD50 oral rat	> 5000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 5700 mg/m³ Source: ECHA

4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)	
LD50 oral rat	2234 mg/kg Source: National Library of Medicine
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Remarks on results: other:
LC50 Inhalation - Rat (Vapours)	> 1290 mg/l Source: National Library of Medicine
ATE CA (oral)	2234 mg/kg bodyweight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity	:	May cause genetic defects (Inhalation).
Carcinogenicity	:	May cause cancer (Inhalation).
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	May cause damage to organs (respiratory tract) through prolonged or repeated exposure (Inhalation).

Zinc (7440-66-6)	
LOAEL (oral, rat, 90 days)	53.8 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	31.52 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified (64742-95-6)	
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Aspiration hazard	:	May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	:	May cause an allergic skin reaction.
Symptoms/effects after eye contact	:	None under normal conditions.
Symptoms/effects after ingestion	:	Risk of lung oedema.

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general	:	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute)	:	Not classified.
Hazardous to the aquatic environment, long–term (chronic)	:	Not classified.

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified (64742-95-6)	
LC50 - Fish [1]	9.22 mg/l Source: IUCLID
EC50 - Crustacea [1]	6.14 mg/l Source: IUCLID
EC50 72h - Algae [1]	19 mg/l Source: IUCLID
EC50 72h - Algae [2]	0.29 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Zinc oxide (1314-13-2)	
LC50 - Fish [1]	2.525 mg/l
LC50 - Fish [2]	1.55 mg/l
NOEC chronic algae	0.024 mg/l

4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)	
LC50 - Fish [1]	133 mg/l Source: Ecological Structure Activity Relationships
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	30 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)	
EC50 72h - Algae [2]	25 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

Zinc (7440-66-6)	
Persistence and degradability	Rapidly degradable

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified (64742-95-6)	
Persistence and degradability	Rapidly degradable

Isocyanic acid polymethylenepolyphenylene ester ; Polymethylene polyphenylene isocyanate (9016-87-9)	
Persistence and degradability	Rapidly degradable

Methylenediphenyl diisocyanate (26447-40-5)	
Persistence and degradability	Rapidly degradable

Zinc oxide (1314-13-2)	
Persistence and degradability	Rapidly degradable

4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Zinc (7440-66-6)	
Partition coefficient n-octanol/water (Log Pow)	-0.47 Source: NLM

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified (64742-95-6)	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID

Isocyanic acid polymethylenepolyphenylene ester ; Polymethylene polyphenylene isocyanate (9016-87-9)	
Partition coefficient n-octanol/water (Log Pow)	10.46 Source: Quantitative Structure Activity Relation

Methylenediphenyl diisocyanate (26447-40-5)	
Partition coefficient n-octanol/water (Log Pow)	3.212 Source: Molbase

4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)	
Partition coefficient n-octanol/water (Log Pow)	2.34

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods	:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	:	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	:	Disposal must be done according to official regulations.
Additional information	:	Flammable vapours may accumulate in the container. Do not re-use empty containers.

SECTION 14 Transport information

In accordance with TDG / DOT / IMDG / IATA

14.1. UN Number

UN-No. (TDG)	:	UN1263
UN-No. (DOT)	:	UN1263
UN-No. (IMDG)	:	1263
UN-No. (IATA)	:	1263

14.2. UN Proper Shipping Name

Proper Shipping Name (TDG)	:	PAINT
Proper Shipping Name (DOT)	:	Paint
Proper Shipping Name (IMDG)	:	PAINT
Proper Shipping Name (IATA)	:	Paint

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : 3

Hazard labels (TDG) : 3

:

DOT

Transport hazard class(es) (DOT) : 3

Hazard labels (DOT) : 3

:

IMDG

Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) : 3

:

IATA

Transport hazard class(es) (IATA) : 3

Danger labels (IATA) : 3

:

14.4. Packing group, if applicable

Packing group (TDG)	:	III
Packing group (DOT)	:	III
Packing group (IMDG)	:	III
Packing group (IATA)	:	III

14.5. Environmental hazards

Dangerous for the environment	:	No
Other information	:	No supplementary information available.

14.6. Special precautions for user

TDG

UN-No. (TDG)	:	UN1263
TDG Special Provisions	:	59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20% nitrocellulose if the nitrocellulose contains not more than 12.6% nitrogen (by dry mass),142 - The following shipping names may be used to meet the requirements of Part 3 (Documentation) and Part 4 (Dangerous Goods Safety Marks) when these dangerous goods are offered for transport in the same means of containment: (a) “PAINT RELATED MATERIAL” may be used for a means of containment containing both paint and paint related material; (b) “PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE” may be used for a means of containment containing both paint, corrosive, flammable, and paint related material, corrosive, flammable; (c) “PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE” may be used for a means of containment containing both paint, flammable, corrosive, and paint related material, flammable, corrosive; and (d) “PRINTING INK RELATED MATERIAL” may be used for a means of containment containing both printing ink and printing ink related material.
Explosive Limit and Limited Quantity Index	:	5 L
Excepted quantities (TDG)	:	E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	60 L
Emergency Response Guide (ERG) Number	:	128

DOT

UN-No. (DOT)	:	UN1263
DOT Special Provisions (49 CFR 172.102)	:	367 - For the purposes of documentation and package marking: a. The proper shipping name “Paint related material” may be used for consignments of packages containing “Paint” and “Paint related material” in the same package; b. The proper shipping name “Paint related material, corrosive, flammable” may be used for consignments of packages containing “Paint, corrosive, flammable” and “Paint related material, corrosive, flammable” in the same package; c. The proper shipping name “Paint related material, flammable, corrosive” may be used for consignments of packages containing “Paint, flammable, corrosive” and “Paint related material, flammable, corrosive” in the same package; and d. The proper shipping name “Printing ink related material” may be used for consignments of packages containing “Printing ink” and “Printing ink related material” in the same package. B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.

B131 - When transported by highway, rail, or cargo vessel, waste Paint and Paint related material (UN1263; PG II and PG III), when in plastic or metal inner packagings of not more than 26.5 L (7 gallons), are excepted from the marking requirements in §172.301(a) and (c) and the labeling requirements in §172.400(a), when further packed in the following specification and non-specification bulk outer packagings and under the following conditions:

a. Primary receptacles must conform to the general packaging requirements of subpart B of part 173 of this subchapter and may not leak. If they do leak, they must be overpacked in packagings conforming to the specification requirements of part 178 of this subchapter or in salvage packagings conforming to the requirements in §173.12 of this subchapter.

b. Primary receptacles must be further packed in non-specification bulk outer packagings such as cubic yard boxes, plastic rigid-wall bulk containers, dump trailers, and roll-off containers. Bulk outer packagings must be liquid tight through design or by the use of lining materials.

c. Primary receptacles may also be further packed in specification bulk outer packagings. Authorized specification bulk outer packagings are UN11G fiberboard intermediate bulk containers (IBC) and UN13H4 woven plastic, coated and with liner flexible intermediate bulk containers (FIBCs) meeting the Packing Group II performance level and lined with a plastic liner of at least 6 mil thickness.

d. All inner packagings placed inside bulk outer packagings must be blocked and braced to prevent movement during transportation that could cause the container to open or fall over. Specification IBCs and FIBCs are to be secured to a pallet.
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / (1 + a (tr - tf)) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx)	:	150
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	173
DOT Packaging Bulk (49 CFR 173.xxx)	:	242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	220 L
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.

IMDG

Special provisions (IMDG)	:	163, 223, 367, 955
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
Special packing provisions (IMDG)	:	PP1
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T2
Tank special provisions (IMDG)	:	TP1, TP29
EmS-No. (Fire)	:	F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	:	S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER

Stowage category (IMDG)	:	A
Properties and observations (IMDG)	:	Miscibility with water depends upon the composition.

IATA

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y344
PCA limited quantity max net quantity (IATA)	:	10L
PCA packing instructions (IATA)	:	355
PCA max net quantity (IATA)	:	60L
CAO packing instructions (IATA)	:	366
CAO max net quantity (IATA)	:	220L
Special provisions (IATA)	:	A3, A72, A192
ERG code (IATA)	:	3L

14.7. Transport in bulk according to Annex II of MARPOL 73/78[9] and the IBC Code[10]

Not applicable

SECTION 15 Regulatory information

15.1. National regulations

Zinc (7440-66-6)

Listed on the Canadian DSL (Domestic Substances List)

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List)

Isocyanic acid polymethylenepolyphenylene ester ; Polymethylene polyphenylene isocyanate (9016-87-9)

Listed on the Canadian DSL (Domestic Substances List)

Methylenediphenyl diisocyanate (26447-40-5)

Listed on the Canadian DSL (Domestic Substances List)

Zinc oxide (1314-13-2)

Listed on the Canadian DSL (Domestic Substances List)

4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

UNITED STATES OF AMERICA

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S

Zinc	CAS-No. 7440-66-6	45 – 80%

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.		
Zinc	CAS-No. 7440-66-6	45 – 80%
Isocyanic acid polymethylenepolyphenylene ester ; Polymethylene polyphenylene isocyanate	CAS-No. 9016-87-9	1 – 7%

Zinc (7440-66-6)	
CERCLA RQ	1000 lb

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other Information

Issue date : 1/17/2023
Revision date : 12/1/2025
Supersedes : 1/17/2023

Full text of hazard classes and H-statements:	
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H340	May cause genetic defects.
H350	May cause cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

Safety Data Sheet (SDS), Canada- USA - Toxyscan 2025

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.