

SECTION 1: Identification

1.1. Product identifier

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

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

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

1.4. Emergency telephone 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 sensitisation, Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation, 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 (GHS) : 

Signal word (GHS) : Danger

Hazard statements (GHS) : 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).

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Precautionary statements (GHS)

: 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/bond container and receiving equipment.
P241 - Use explosion-proof electrical, lighting, ventilating equipment.
P242 - Use only non-sparking tools.
P243 - Take action to prevent static discharges.
P260 - Do not breathe fume, mist, spray, vapours.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - [In case of inadequate ventilation] 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/attention.
P314 - Get medical advice/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/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 / container by a local waste disposal company according to regional regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

SECTION 4: First-aid measures

4.1. Description of 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 and 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 ingestion	: Risk of lung oedema.

4.3. Immediate medical attention and special treatment, 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.
------------------------------	--

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Fire hazard	: Highly flammable liquid and vapour.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

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

No additional information available

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.2. Methods and materials for containment and cleaning up

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.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

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.

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.

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/m ³
OEL TWA [ppm]	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/m ³ Respirable
OEL STEL	10 mg/m ³ Respirable
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Zinc, oxide
VECD (OEL STEL)	10 mg/m ³ Rd

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

zinc oxide (1314-13-2)	
VEMP (OEL TWA)	2 mg/m ³ 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/m ³
OEL STEL	10 mg/m ³
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/m ³ (R - Respirable particulate matter)
OEL STEL	10 mg/m ³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2022
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m ³ (R - Respirable particulate matter)
OEL STEL	10 mg/m ³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2022
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m ³ (R - Respirable particulate matter)
OEL STEL	10 mg/m ³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2022
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Zinc oxide, fume and dust
OEL TWA	2 mg/m ³ (respirable fraction)
OEL STEL	10 mg/m ³ (respirable fraction)
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Zinc oxide, fume and dust
OEL TWA	2 mg/m ³ (respirable fraction)
OEL STEL	10 mg/m ³ (respirable fraction)
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

zinc oxide (1314-13-2)	
Canada (Ontario) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m ³ (R - Respirable fraction)
OEL STEL	10 mg/m ³ (R - Respirable fraction)
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m ³ (R - Respirable particulate matter)
OEL STEL	10 mg/m ³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2022
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Zinc oxide, fume and dust
OEL TWA	2 mg/m ³ (respirable fraction)
OEL STEL	10 mg/m ³ (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 OEL TWA	2 mg/m ³ (R - Respirable particulate matter)
ACGIH OEL STEL	10 mg/m ³ (R - Respirable particulate matter)
Remark (ACGIH)	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2022
USA - OSHA - Occupational Exposure Limits	
Local name	Zinc oxide
OSHA PEL TWA [1]	5 mg/m ³ (Fume) 15 mg/m ³ (Total dust) 5 mg/m ³ (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/Personal protective equipment

Hand protection:
Protective gloves
Eye protection:
Safety glasses

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid.
Colour	: Grey
Odour	: Solvent
Odour threshold	: No data available
pH	: <
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: 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
Dust deflagration index	: ≤ bar·m/s

9.2. Other information

Dust deflagration index	: ≤ bar·m/s
-------------------------	-------------

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.

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Hardening time: : No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

zinc powder— zinc dust (stabilised) (7440-66-6)	
LD50 oral rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 5410 mg/m ³ 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 (Gases)	4500 ppmv/4h
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/m ³ Source: ECHA

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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
pH: <

zinc oxide (1314-13-2)	
pH	6.95 Source: HSDB

Serious eye damage/irritation : Not classified
pH: <

zinc oxide (1314-13-2)	
pH	6.95 Source: HSDB

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).

Isocyanic acid polymethylenepolyphenylene ester ; Polymethylene polyphenylene isocyanate (9016-87-9)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

methylenediphenyl diisocyanate (26447-40-5)	
STOT-single exposure	May cause respiratory irritation.

4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs (Respiratory tract) through prolonged or repeated exposure (Inhalation).

zinc powder— zinc dust (stabilised) (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)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

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)

methylenediphenyl diisocyanate (26447-40-5)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

zinc powder— zinc dust (stabilised) (7440-66-6)	
Viscosity, kinematic	Not applicable

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

zinc powder— zinc dust (stabilised) (7440-66-6)	
Animal studies and expert judgment for classification	False
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified; (64742-95-6)	
Animal studies and expert judgment for classification	False
Isocyanic acid polymethylenepolyphenylene ester ; Polymethylene polyphenylene isocyanate (9016-87-9)	
Animal studies and expert judgment for classification	False
methylenediphenyl diisocyanate (26447-40-5)	
Viscosity, kinematic	Not applicable
Animal studies and expert judgment for classification	False
zinc oxide (1314-13-2)	
Viscosity, kinematic	Not applicable
Animal studies and expert judgment for classification	False
4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)	
Animal studies and expert judgment for classification	False

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 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)
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)
EC50 72h - Algae [2]	25 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

zinc powder— zinc dust (stabilised) (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

zinc powder— zinc dust (stabilised) (7440-66-6)	
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified; (64742-95-6)	
Isocyanic acid polymethylenepolyphenylene ester ; Polymethylene polyphenylene isocyanate (9016-87-9)	
methylenediphenyl diisocyanate (26447-40-5)	
4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)	

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

14.1. UN number

UN-No. (TDG) : UN1263
DOT NA No : 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

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

Packing group (TDG) : III

Packing group (DOT) : III

Packing group (IMDG) : III

Packing group (IATA) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG

UN-No. (TDG) : UN1263

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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:
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

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

zinc powder— zinc dust (stabilised) (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)

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Rust-Anode Primer

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

zinc powder— zinc dust (stabilised) (7440-66-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

zinc powder— zinc dust (stabilised) (7440-66-6)

Subject to reporting requirements of United States SARA Section 313
Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ

1000 lb

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

methylenediphenyl diisocyanate (26447-40-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

zinc oxide (1314-13-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

SECTION 16: Other information

Issue date

: 17/01/2023

Full text of H-statements:

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.

Rust-Anode Primer

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015) and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-statements:	
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 - Toxyscan

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.