

SAFETY DATA SHEET

SDS 0155

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 Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

	HMIS CODES	
PRODUCT NAME	Health	2
RectorSeal Cold Galvanizing Spray	Flammability	3
	Reactivity	0
PRODUCT CODES	PPI	B
86625		
CHEMICAL FAMILY		
Organic		
USE		
Metal coating		
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.	
The RectorSeal Corporation	Chemtrec 24 Hours	
2601 Spenwick Drive	(800)424-9300 USA	
Houston, Texas 77055 USA	(703)527-3887 International	
DATE OF VALIDATION	TECHNICAL SERVICE TELEPHONE NO.	
May 11, 2015	(800)231-3345 or (713)263-8001	
DATE OF PREPARATION		
May 11, 2015		

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 Section 2 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

OSHA Hazards

Flammable gas, Compressed Gas, Target Organ Effect, Irritant

TARGET ORGANS

Liver, Kidney, Bladder, Brain.

GHS CLASSIFICATION

PHYSICAL HAZARDS: Flammable gases (Category 1)

Gases under pressure (Liquefied gas)

HEALTH HAZARDS

Acute toxicity, Inhalation (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Reproductive toxicity (Category 2)

Specific target organ toxicity - single exposure (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Aspiration hazard (Category 1)

Acute aquatic toxicity (Category 2)

 GHS Label elements, including precautionary statements

Pictogram: GHS 02-Flammable Materials, GHS 04-Compressed Gas, GHS 08-Severe Health

Signal Word: Danger

Hazard Statements:

H220 - Extremely flammable gas.

H225 - Highly flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H336 - May cause drowsiness or dizziness.

H361 - Suspected of damaging fertility or the unborn child.

H371 - May cause damage to organs.

H401 - Toxic to aquatic life.

Precautionary Statements:

P102 - Keep out of reach of children.
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P260 - Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 P281 - Use personal protective equipment as required.
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 P331 - Do NOT induce vomiting.

SUMMARY OF ACUTE HAZARDS

Repeated inhalation may cause dizziness, nausea and CNS effects. May cause severe eye and skin irritation.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION

Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

EYE CONTACT

Contact with eyes may cause severe irritation.

SKIN CONTACT

Irritation and drying.

INGESTION

May cause irritation of the digestive tract. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

SUMMARY OF CHRONIC HAZARDS

Skin irritation, contact dermatitis, and defatting.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

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Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Propane
 PERCENTAGE BY WEIGHT: --
 CAS NUMBER: 68476-85-7
 EC# : 200-827-9

INGREDIENT: Toluene
 PERCENTAGE BY WEIGHT: 20 Max
 CAS NUMBER: 108-88-3
 EC# : 203-625-9

INGREDIENT: Xylene
 PERCENTAGE BY WEIGHT: 10 Max
 CAS NUMBER: 1330-20-7
 EC# : 203-576-3

INGREDIENT: Zinc Dust
 PERCENTAGE BY WEIGHT: 40 Max
 CAS NUMBER: 7440-66-6
 EC# : 231-175-3

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Section 4 -- FIRST AID MEASURES

If INHALED: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as

needed. Obtain emergency medical attention. Prompt action is essential.

- If on SKIN: Immediately wash with soap and water. Remove and wash any contaminated clothing.
- If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.
- If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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 Section 5 -- FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Foam, dry chemical, CO₂, or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained full face piece breathing apparatus and full body protective clothing. Hazardous decomposition products possible (see Section 10). Evacuate area. Dike area as run-off may create additional environmental contamination.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Aerosol cans are under pressure - exposure to temperatures above 120°F can cause bursting or "rocketing" of cans.

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 Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use absorbent materials to prevent footing hazard and to contain. Ventilate area with forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

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 Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Shake well before using. Keep away from heat and open flames. Prolonged exposure to direct sunshine or storage above 120 F may cause can to burst. Do not puncture or incinerate can.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions.

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 Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	UNITS
Propane	
ACGIH TLV	1000 ppm
OSHA PEL	1000 ppm
Toluene	
ACGIH TLV	50 ppm
OSHA PEL	100 ppm
Xylene	
ACGIH TLV	100 ppm
OSHA PEL	100 ppm
Zinc Dust	
ACGIH TLV	10 mg/m ³
OSHA PEL	15 mg/m ³
OSHA STEL	10 mg/m ³

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirator.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: Explosion proof

MECHANICAL (GENERAL): Acceptable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical resistant coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: >165 F 74 C) @ 760mm Hg
 SPECIFIC GRAVITY (H2O = 1): 1.00
 VAPOR PRESSURE (mm Hg): N/D
 MELTING POINT: N/A
 VAPOR DENSITY (AIR = 1): <1
 EVAPORATION RATE (ETHYL ACETATE = 1): >1
 APPEARANCE/ODOR: Gray Liquid / Petroleum Odor
 SOLUBILITY IN WATER: Slightly
 FLASH POINT: N/D
 AEROSOL FLAME EXTENSION: Positive
 NFPA AEROSOL LEVEL: 3
 VOLATILE ORGANIC COMPOUNDS(VOC)Content
 (Theoretical Percentage By Weight): 64.5% or (645 g/L)

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Section 10 -- STABILITY AND REACTIVITY

STABILITY: Stable
 CONDITIONS TO AVOID: Do not store in temperatures above 120 F.
 INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers, acids and bases.
 HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, and fragmented hydrocarbons.
 HAZARDOUS POLYMERIZATION: Will not occur.

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Section 11 -- TOXICOLOGY INFORMATION

CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

TOXICOLOGY DATA

Ingredient Name

 Propane
 Oral-Rat LD50:N/D
 Inhalation-Rat LC50:N/D
 Toluene
 Oral-Rat LD50:5000 mg/kg
 Inhalation-Rat LCLo:4000 ppm/4H
 Xylene
 Oral-Rat LD50:4300 mg/kg
 Inhalation-Rat LC50:5000 ppm/4H
 Zinc Dust
 Oral-Rat LD50:N/D
 Inhalation-Rat LC50:N/D

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Section 12 -- Ecological Information

ECOLOGICAL DATA

Ingredient Name

 Propane
 Food Chain Concentration Potential: None
 Waterfowl Toxicity: None
 BOD: None

Aquatic Toxicity: None

Toluene

Food Chain Concentration Potential: None
Waterfowl Toxicity: N/A
BOD: 38%
Aquatic Toxicity: 1180 mg/l/96 hr/sunfish/TLm

Xylene

Food Chain Concentration Potential: N/A
Waterfowl Toxicity: N/A
BOD: 0%
Aquatic Toxicity: 22 ppm/96 hr/bluegill/TLm

Zinc Dust

Food Chain Concentration Potential: N/D
Waterfowl Toxicity: N/D
BOD: N/D
Aquatic Toxicity: N/D

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Section 13 -- DISPOSAL CONSIDERATIONS

Waste Classification: Aerosols
Disposal Method: Empty containers can be disposed of in trash. Full containers should be depressurized to separate liquid phase. Dispose of all liquid waste in accordance with all local, state and federal regulations.

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Section 14 -- TRANSPORTATION INFORMATION

DOT: Consumer Commodity, ORM-D
OCEAN (IMDG): UN1950, Aerosols, 2.1, Limited Quantities or LTD QTY, EmS No. F-D, S-U
AIR (IATA): UN1950, Aerosols, 2.1, ERG#126

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Section 15 -- REGULATORY INFORMATION

REGULATORY DATA
Ingredient Name

Propane

SARA 313 No
TSCA Inventory Yes
CERCLA RQ N/A
RCRA Code N/A

Toluene

SARA 313 Yes
TSCA Inventory Yes
CERCLA RQ 1,000 lbs.
RCRA Code U220

Xylene

SARA 313 Yes
TSCA Inventory Yes
CERCLA RQ 100 lbs.
RCRA Code U239

Zinc Dust

SARA 313 Yes
TSCA Inventory Yes
CERCLA RQ 1,000 lbs.
RCRA Code N/A

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Section 16 -- OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith,

but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001