



GAP PROFESSIONAL PRODUCTS

Safety Data Sheet Rail Dust Remover

SECTION 1: Identification

1.1 Product identifier

Product name Rail Dust Remover

Product number 5537

1.3 Recommended use of the chemical and restrictions on use

Removal of paint contamination

1.4 Supplier's details

Name GAP Professional Products
Address 122 Route 105
Keswick Ridge, NB E6L 1B1
Canada

Telephone (506) 363-9708
Fax (506) 363-4241
email info@gapauto.com

1.5 Emergency phone number(s)

For Medical or Transport Emergencies/
Pour les urgences médicales ou de transport
CANUTEC (24 Hours/Heures)
(613) 996-6666

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: (CA) WHMIS 2015

- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity (repeated exposure), Cat. 2

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2.2 GHS label elements, including precautionary statements

Pictogram



1. Exclamation mark; 2. Health hazard; 3. Corrosion

Signal word

Warning

Hazard statement(s)

H315
H319
H373

Causes skin irritation
Causes serious eye irritation
May cause damage to organs [organs] through prolonged or repeated exposure [route]

Precautionary statement(s)

P260
P264
P280
P280
P302+P352
P305+P351+P338

P314
P321
P332+P313
P337+P313
P362+P364
P501

Do not breathe dust/fume/gas/mist/vapors/spray.
Wash ... thoroughly after handling.
Wear eye protection/face protection.
Wear protective gloves.
IF ON SKIN: Wash with plenty of water/...
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Get medical advice/attention if you feel unwell.
Specific treatment (see ... on this label).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Component	Concentration
Ethylene glycol (CAS no.: 107-21-1; EC no.: 203-473-3; Index no.: 603-027-00-1)	1 - < 3 % (weight)
CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Specific target organ toxicity, repeated exposure, Cat. 2. HAZARDS: H302 - Harmful if swallowed; H373 - May cause damage to organs [organs] through prolonged or repeated exposure [route].	
Oxalic acid (anhydrous) (CAS no.: 144-62-7; EC no.: 205-634-3; Index no.: 607-006-00-8)	< 5 % (weight)
CLASSIFICATIONS: Acute toxicity, dermal, Cat. 4; Acute toxicity, oral, Cat. 4. HAZARDS: H302 - Harmful if swallowed; H312 - Harmful in contact with skin.	

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

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General advice	Do not leave affected person unattended. Remove victim out of the danger area. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.
If inhaled	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
In case of skin contact	Rinse with plenty of water.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Immediately drink 2 glasses of water and induce vomiting by either giving IPECAC syrup or by placing fingers at the back of throat. Call physician immediately. If conscious give lots of water or milk. Do not give anything by mouth to an unconscious or convulsing person
Personal protective equipment for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wear personal protective clothing (see section 8).

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Not considered a fire hazard.

5.2 Specific hazards arising from the chemical

No specific fire or explosion hazard.

Ethylene glycol: No data available.

5.3 Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See Section 8 for recommended personal protective equipment.

6.3 Methods and materials for containment and cleaning up

LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent.
SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. material and place into containers for later disposal. Dispose in suitable waste container.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Put on appropriate personal equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials(see Section 10) and food and drink. Do not store under freezing conditions or above 49 C (120 F). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of reach from children.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Ethylene glycol (CAS: 107-21-1 EC: 203-473-3)

PEL-C (Inhalation): 100 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/ Eye & Upper Respiratory Tract irritation, Not classifiable as a human carcinogen

PEL-C (Inhalation): 100 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/ Upper Respiratory Tract irritation, Eye irritation, Not classifiable as a human carcinogen

PEL-C (Inhalation): 100 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/ Upper Respiratory Tract irritation, Eye irritation, Adopted values or notations enclosed are those for which changes are proposed in the NIC, See Notice of Intended Changes (NIC), Not classifiable as a human carcin

PEL-C (Inhalation): 40 ppm

100 mg/m³; USA (Cal/OSHA)

California permissible exposure limits for chemical contaminants (Title 8, Article 107)

2. Oxalic acid (CAS: 144-62-7)

PEL (Inhalation): 1 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1 mg/m³, (ST) 2 mg/m³ (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1 mg/m³, (ST) 2 mg/m³ (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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

Eye/face protection

Recommended: Chemical splash goggles Ensure that eyewash stations and/or safety showers are close to the workstation location if working with concentrated product.

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Skin protection

Chemical resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands after use.

Respiratory protection

Recommended: Dust mask or Respirator should be worn if product is used in confined space or used for a prolonged period of time.

Environmental exposure controls

None known

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Clear
Odor	Characteristic
Odor threshold	
pH	3-4
Melting point/freezing point	0C / 33F
Initial boiling point and boiling range	>212
Flash point	N/D
Evaporation rate	1 (water = 1)
Flammability (solid, gas)	
Upper/lower flammability limits	N/D
Vapor pressure	N/D
Vapor density	N/D
Relative density	1.02
Solubility(ies)	
Partition coefficient: n-octanol/water	
Auto-ignition temperature	N/D
Decomposition temperature	
Viscosity	N/D
Explosive properties	N/A
Oxidizing properties	

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Will not occur.

10.5 Incompatible materials

Ethylene glycol: Strong acids, Strong oxidizing agents, Strong bases, Aldehydes, Aluminum

10.6 Hazardous decomposition products

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After water evaporates, burning may produce oxides of carbon, traces of sulfur and nitrogen oxides and various hydrocarbons

Ethylene glycol: Hazardous decomposition products formed under fire conditions. - Carbon oxides
In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Ethylene glycol LD50 Oral - Rat - 4,700 mg/kg

Ethylene glycol LD50 Skin - Rabbit - 10,626 mg/kg

Ethylene glycol LC50 - Oncorhynchus mykiss (rainbow trout) - 18,500 mg/l - 96 h

Ethylene glycol LC50 - Leuciscus idus (golden orfe) - >10,000 mg/l - 48 h
Result: Bioconcentration factor (BCF): 0.60

Ethylene glycol NOEC - Pimephales promelas (fathead minnow) - 32,000 mg/l - 7 d

Ethylene glycol EC50 - Daphnia magna (water flea) - 74,000 mg/l - 24 h

Ethylene glycol LC50 - Daphnia magna (water flea) - 41,000 mg/l - 48 h

Skin corrosion/irritation

Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Serious eye damage/irritation

Can cause severe irritation, redness, tearing, blurred vision.

Respiratory or skin sensitization

Breathing of dust or mist can cause mild to severe irritation of nasal or respiratory passage.

Carcinogenicity

Carcinogenicity: Ingredients not listed by OSHA, NTP, IARC.

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Additional information

OXALIC ACID (ANHYDROUS): *TOXICITY:

typ. dose mode specie amount unit other

LD50 orl rat 375 mg/kg

LDLo orl dog 1000 mg/kg

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LDLo scu cat 112 mg/kg
LD50 skn rbt 20 gm/kg
LDLo scu frg 757 mg/kg

*AQTX/TLM96: Not available

*SAX TOXICITY EVALUATION:

THR= HIGH irritant to humans via oral route but Moderate to dogs oral route.
Acute oxalic poisoning results from ingestion of a solution of the acid.

*CARCINOGENICITY: Not available

*MUTATION DATA:

test lowest dose | test lowest dose

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Not available |

*TERATOGENICITY (Reproductive Effects Data): Not available

*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: Federal Register (1/19/89) and 29 CFR 1910.1000 Subpart Z

Transitional Limit: PEL-TWA 1 mg/m³ [610]

Final Limit: PEL-TWA 1 mg/m³; STEL 2 mg/m³ [610]

ACGIH: TLV-TWA 1 mg/m³; STEL 2 mg/m³ [610]

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): None

Reactivity (R): None

*OTHER TOXICITY DATA:

Skin and Eye Irritation Data:

skn-rbt 500 mg/24H MOD

eye-rbt 250 ug/24H SEV

eye-rbt 100 mg/4S rns SEV

Review: Toxicology Review

Status: Reported in EPA TSCA Inventory, 1983

Meets criteria for proposed OSHA Medical Records Rule

SECTION 12: Ecological information

Toxicity

Ethylene glycol - other fish - 50 mg/l - 61 d

Ethylene glycol NOEC - Pimephales promelas (fathead minnow) - 32,000 mg/l - 7 d

Ethylene glycol NOEC - Pimephales promelas (fathead minnow) - 39,140 mg/l - 96 h

Ethylene glycol EC50 - Daphnia magna (water flea) - 74,000 mg/l - 24 h

Ethylene glycol NOEC - Daphnia magna (water flea) - 24,000 mg/l - 48 h

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SECTION 13: Disposal considerations

Disposal of the product

Dispose of accordance in local, and provincial regulations for biodegradable detergents.

SECTION 14: Transport information

DOT (US)

UN Number:

Class:

Packing Group:

Proper Shipping Name:

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

IMDG

UN Number:

Class:

Packing Group:

EMS Number:

Proper Shipping Name:

IATA

UN Number:

Class:

Packing Group:

Proper Shipping Name:

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

CANADA

WHMIS (Canada): This product has been classified according to the hazard criteria of the HPR and the SDS contains all information required by the HPR.

Canadian Domestic Substances List (DSL)

California Prop. 65 Components

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ethylene glycol

CAS number: 107-21-1

SECTION 16: Other information

16.1 Further information/disclaimer

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These SDS are written in an effort to provide information to the worker in the workplace and in such a way it can be understood. To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

16.2 Preparation information

Prepared by: C. Gourley