



SAFETY DATA SHEET

Revision Date 11/10/2015

REVISION NUMBER: 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name TERRA STRIP

Other means of identification

Product code 112614

UN/ID No. 1760

Synonyms NONE

Recommended use of the chemical and restrictions on use

Recommended Use Floor Finish Remover.

Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer Address

Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624 USA

Importer

Rochester Midland Limited
5353 John Lucas Drive
Suite 103
Burlington, ON L7L 6G5
Canada

Emergency telephone number

EMERGENCY TELEPHONE
INFOTRAC: 1-800-535-5053
OUTSIDE U.S.: +1-352-323-3500
CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is considered hazardous by the WHMIS 2015 Hazardous Products Regulation.

| | |
|-----------------------------------|------------|
| Skin corrosion/irritation | Category 1 |
| Serious eye damage/eye irritation | Category 1 |
| Corrosive to metals | Category 1 |

Label elements

Emergency Overview

DANGER

Hazard statements

Causes severe skin burns and eye damage
May be corrosive to metals



Appearance Clear, Colorless Clear
Yellow

Physical state Liquid

Odor Glycol Ether-like odor.

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Keep only in original container

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting
Absorb spillage to prevent material damage

Precautionary Statements - Storage

Store locked up
Store in corrosive resistant container

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

No information available

Other Information

- May be harmful in contact with skin
- Harmful to aquatic life with long lasting effects.

Unknown Acute Toxicity 2.6% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| PRODUCT COMPOSITION | CAS No. | % | TRADE SECRET |
|-----------------------------------|-----------|---------|--------------|
| Sodium Hydroxide | 1310-73-2 | 1 - 5 | * |
| Monoethanolamine | 141-43-5 | 15 - 25 | * |
| Diethylene glycol monohexyl ether | 112-59-4 | 1 - 2 | * |
| Benzyl alcohol | 100-51-6 | 1 - 5 | * |
| Diethylene glycol butyl ether | 112-34-5 | 5 - 15 | * |

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

4. FIRST AID MEASURES

First aid measures

| | |
|-----------------------|--|
| General advice | Immediately call a POISON CENTER or doctor/physician. |
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. |
| Skin contact | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. |
| Inhalation | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. |
| Ingestion | IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. |

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing agent suitable for type of surrounding fire.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Contact with metals may evolve flammable hydrogen gas.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NO_x).

Explosion data

Sensitivity to Mechanical Impact NONE.

Sensitivity to Static Discharge NONE.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool exposed containers with water spray. Spills produce extremely slippery surfaces.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection. Evacuate personnel to safe areas. Ventilate affected area. Extremely slippery when spilled.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information. Keep out of drains, sewers, streams, or other bodies of water.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on safe handling**

CORROSIVE LIQUID. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Do not contaminate water, food, or feed. Mix only with water.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep from freezing. Keep out of the reach of children. Do not reuse container.

Incompatible materials

Acids. Avoid contact with aluminum, zinc, other soft metals or galvanized metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

| PRODUCT COMPOSITION | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|----------------------|
| Sodium Hydroxide 1310-73-2 | Ceiling: 2 mg/m ³ | (vacated) Ceiling: 2 mg/m ³ TWA: 2 mg/m ³ | 10 mg/m ³ |
| Monoethanolamine 141-43-5 | STEL: 6 ppm TWA: 3 ppm | (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ TWA: 3 ppm TWA: 6 mg/m ³ | 30 ppm |
| Diethylene glycol butyl ether 112-34-5 | TWA: 10 ppm inhalable fraction and vapor | NA | - |

Appropriate engineering controls**ENGINEERING CONTROLS**

Showers
Eyewash stations
Ventilation systems. Corrosion resistant equipment recommended.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Goggles and face shield are recommended to minimize eye contact.

Skin and body protection

Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact. Appropriate protective clothing as needed to prevent skin contact. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

RESPIRATORY PROTECTION

Provide adequate ventilation. Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state
Appearance
Color

Liquid
Clear, Colorless Clear Yellow
Colorless or Light Yellow

Odor
Odor threshold

Glycol Ether-like odor.
No information available

Property**Values****Remarks • Method**

| | | |
|-------------------------------|--------------------------|------------------|
| pH | 13.5 | +/- 0.5 |
| Melting point/freezing point | No information available | |
| Boiling point / boiling range | No information available | |
| Flash point | - | None to boiling. |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | No information available | |
| Lower flammability limit: | No information available | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Specific gravity | 1.04 - 1.05 | |
| Water solubility | No information available | |
| Solubility in other solvents | No information available | |
| Partition coefficient | No information available | |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |
| Kinematic viscosity | No information available | |
| Dynamic viscosity | No information available | |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |

Other Information

| | |
|--------------------------|--------------------------|
| Softening point | No information available |
| VOC (EPA METH.24) (G/L): | 230 |
| Density | 8.65 lbs/gal |
| Bulk density | No information available |

10. STABILITY AND REACTIVITY

REACTIVITY

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

CONDITIONS TO AVOID

Extremes of temperature and direct sunlight.

Incompatible materials

Acids. Avoid contact with aluminum, zinc, other soft metals or galvanized metals.

Hazardous Decomposition Products

Oxides of Carbon. Oxides of Nitrogen. Hydrogen gas may be released by contact with certain metals.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | Causes severe skin burns and eye damage. |
| Inhalation | Causes burns. |
| Eye contact | Corrosive to the eyes and may cause severe damage including blindness. |
| Skin contact | May be harmful in contact with skin. Causes burns. |

Ingestion

Causes burns.

| PRODUCT COMPOSITION | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|-------------------------|------------------------|
| Sodium Hydroxide 1310-73-2 | - | = 1350 mg/kg (Rabbit) | - |
| Monoethanolamine 141-43-5 | = 1720 mg/kg (Rat) | = 1 mL/kg (Rabbit) | - |
| Benzyl alcohol 100-51-6 | = 1230 mg/kg (Rat) | = 2 g/kg (Rabbit) | = 8.8 mg/L (Rat) 4 h |
| Diethylene glycol butyl ether 112-34-5 | = 3384 mg/kg (Rat) | = 2700 mg/kg (Rabbit) | - |

Information on toxicological effects**Symptoms**

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|---------------------------------|---------------------------|
| Sensitization | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | No information available. |
| Reproductive Toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |

Numerical measures of toxicity - Product Information**Unknown Acute Toxicity** 2.6% of the mixture consists of ingredient(s) of unknown toxicity**The following values are calculated based on chapter 3.1 of the GHS document .**

| | |
|--------------------------------------|------------|
| ATEmix (oral) | 6169 mg/kg |
| ATEmix (dermal) | 3568 mg/kg |
| ATEmix (inhalation-dust/mist) | 6.8 mg/l |

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

4.5% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| PRODUCT COMPOSITION | Algae/aquatic plants | Fish | Crustacea |
|---|---|--|-----------------------------------|
| Sodium Hydroxide 1310-73-2 | - | 45.4: 96 h Oncorhynchus mykiss mg/L LC50 static | - |
| Monoethanolamine 141-43-5 | 15: 72 h Desmodesmus subspicatus mg/L EC50 | 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 3684: 96 h Brachydanio rerio mg/L LC50 static 227: 96 h Pimephales promelas mg/L LC50 flow-through 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static | 65: 48 h Daphnia magna mg/L EC50 |
| Benzyl alcohol 100-51-6 | - | 460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static | 23: 48 h water flea mg/L EC50 |
| Diethylene glycol butyl ether 112-34-5 | 100: 96 h Desmodesmus subspicatus mg/L EC50 | 1300: 96 h Lepomis macrochirus mg/L LC50 static | 100: 48 h Daphnia magna mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| PRODUCT COMPOSITION | Partition coefficient |
|------------------------------|-----------------------|
| Monoethanolamine 141-43-5 | -1.91 |
| Benzyl alcohol 100-51-6 | 1.1 |

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

14. TRANSPORT INFORMATION**DEPT. OF TRANSPORTATION**

| | |
|----------------------|---|
| UN/ID No. | 1760 |
| Proper shipping name | CORROSIVE LIQUID N.O.S. (ETHANOLAMINE, SODIUM HYDROXIDE) |
| Hazard Class | 8 |
| Packing Group | II |
| Description | 5 Liters (1.3 Gallons) and Less may be Classed as LTD. QTY. |

TDG

| | |
|----------------------|---|
| UN/ID No. | 1760 |
| Proper shipping name | CORROSIVE LIQUID N.O.S. (ETHANOLAMINE, SODIUM HYDROXIDE) |
| Hazard Class | 8 |
| Packing Group | II |
| Description | 1 Liter (0.26 Gallons) and Less may be classed as LTD. QTY. |

15. REGULATORY INFORMATION**International Inventories**

| | |
|---------------|-----------------|
| TSCA | Complies |
| DSL/NDL | Complies |
| EINECS/ELINCS | Does not Comply |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| PRODUCT COMPOSITION | SARA 313 - Threshold Values % |
|--|-------------------------------|
| Diethylene glycol monohexyl ether - 112-59-4 | 1.0 |
| Diethylene glycol butyl ether - 112-34-5 | 1.0 |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| ACUTE HEALTH HAZARD | YES |
| CHRONIC HEALTH HAZARD | No |
| FIRE HAZARD | No |
| Sudden release of pressure hazard | No |
| REACTIVE HAZARD | YES |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| PRODUCT COMPOSITION | Hazardous Substances RQs (in LBS) | U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs |
|-------------------------------|-----------------------------------|--|
| Sodium Hydroxide 1310-73-2 | 1000 | |

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

| PRODUCT COMPOSITION | NJRTK: | MARTK: | PARTK: |
|---|--------|--------|--------|
| Sodium Hydroxide 1310-73-2 | 1706 | Listed | Listed |
| Monoethanolamine 141-43-5 | Listed | Listed | Listed |
| Diethylene glycol monohexyl ether 112-59-4 | | | Listed |
| Benzyl alcohol 100-51-6 | | Listed | Listed |
| Diethylene glycol butyl ether 112-34-5 | | | Listed |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA

Health hazards 3

Flammability 0

Instability 0

Physical and Chemical Properties CORR

HMIS

Health hazards 3

Flammability 0

Physical hazards 0

Personal protection C

Revision Date

11/10/2015

Revision Note

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

*** END OF SDS ***