

SAFETY DATA SHEET

Recover RX 3-18-18 with Salicylic Acid

| Section 1 IDENTIFICATION | |
|---|---|
| 1.1. Product Identifier | |
| Product name: | Recover RX 3-18-18 |
| Synonym: | Liquid fertilizer solution with Salicylic acid and Phosphorus sources |
| 1.2. Recommended Use / Restrictions | |
| Identified Uses: | For turf, ornamentals, trees (including citrus), crops (including |
| | vegetable) & hydroponics |
| Restrictions: | N/A |
| 1.3. Supplier Details | |
| Company: | Growth Products, Ltd. |
| | 80 Lafayette Avenue |
| | White Plains, NY 10603-1603 USA |
| | +011 914-428-1316 (9 am - 5 pm EST Mon - Fri) |
| | questions@growthproducts.com |
| 1.4. Emergency Telephone Number | 200 222 4222 (American Acceptation of Deison Control Contors) |
| Emergency Telephone: | 800-222-1222 (American Association of Poison Control Centers) |
| Section 2 HAZARD(S) IDENTIFICATION | |
| 2.1. Classification of substance or mixture | |
| Target Organs: | Eyes, Skin, Respiratory System |
| Physical Hazards: | Not Classified |
| Health Hazards: | Acute Tox., Oral 4 - H302 |
| | Skin Irrit. 2 - H315 |
| | Eye Irrit. 2B - H320 |
| | STOT SE 3 - H335 |
| Environmental Hazards: | Not Classified |
| 2.2. Label Elements | |
| Pictogram: | \wedge |
| | |
| | • |
| | \mathbf{v} |
| Signal Word: | WARNING! |
| Hazard Statements: | H302 Harmful if swallowed |
| | H315 Causes skin irritation |
| | H319 Causes serious eye irritation |
| | H335 May cause respiratory irritation |
| Precautionary Statements: | P261 Avoid breathing mist/vapours/spray |
| - | P264 Wash hands/face/exposed skin thoroughly after handling |
| | P270 Do not eat, drink or smoke when using this product |
| | P271 Use only outdoors or in a well-ventilated area |
| | P280 Wear protective gloves/eye and face protection |
| | P301+P312+P330 IF SWALLOWED: Call a Poison Center/doctor if you |
| | feel unwell. Rinse mouth. |



SAFETY DATA SHEET

| Precautionary Statements continued | P302+P352 IF ON SKIN: Wash with plenty of water P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation or rash occurs: Get medical |
|------------------------------------|--|
| | advice/attention P337+P313 If eye irritation persists: Get medical advice/attention |
| | P362+P364 Take off contaminated clothing and wash it before reuse P403+P233+P405 Store in a well-ventilated place. Keep container tightly closed. Store locked up. |
| | P501 Dispose of contents/container in accordance with local/regional/national/international regulation. |

2.3. Other Hazards

This product does not contain any substance classified as PBT or vPvB

| NFPA | Ratings |
|------|---------|
|------|---------|

| 1 | Slightly hazardous | |
|-----|-----------------------------------|---|
| 0 | Will not burn | |
| 0 | Stable | |
| N/A | Not applicable | |
| | | |
| 1 | Minor hazard | Heal |
| 0 | Minimal hazard | Flam |
| 0 | Minimal hazard | Physi |
| С | Goggles, Gloves, Protective Apron | Person |
| | 0 0 N/A 1 0 0 | 0 Will not burn 0 Stable N/A Not applicable 1 Minor hazard 0 Minimal hazard 0 Minimal hazard |



| Health | minor | 1 |
|---------------------|---------|---|
| Flammability | minimal | 0 |
| Physical Hazard | minimal | 0 |
| Personal Protection | | С |

Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

| 3.2. Mixtures | | | | |
|--------------------------|------------------|------------------|-----------|--------------------------------|
| Chemical Name | CAS Registry No. | REACH No. | ENECS No. | Classification |
| Urea: | 57-13-6 | 012119463277-33 | 200-315-5 | <u>GHS-US</u> |
| | | | | Skin Irrit. 2 - H315 |
| | | | | Eye Irrit. 2A - H320 |
| | | | | STOT SE 3 - H335 |
| Potassium hydroxide: | 1310-58-3 | - | - | <u>GHS-OSHA</u> |
| | | | | Corr. Met. 1 - H290 |
| | | | | Acute Tox., Oral 5 - H303 |
| | | | | Skin Corr. Irrit. 1A/1C - H314 |
| | | | | Eye Dam. Irrit. 1 - H318 |
| | | | | Aquatic Tox., Acute - H402 |
| Methylene diurea: | 13547-17-6 | - | - | <u>GHS-US</u> |
| | | | | Eye Irrit. 2A - H319 |
| Phosphoric acid: | 7664-38-2 | 01-2119485924-24 | 231-633-2 | <u>GHS-US</u> |
| | | | | Skin Corr. 1B - H314 |
| | | | | Met. Corr. 1 - H290 |
| Salicylic acid: | 69-72-7 | - | - | <u>GHS-(EC)</u> |
| | | | | Acute Tox., Oral 4 - H302 |
| | | | | Eye Dam. Irrit. 1 - H318 |
| Monopotassium phosphite: | 13977-65-6 | - | 231-913-4 | Not classified |
| Dipotassium phosphite: | 13492-26-7 | - | 236-809-2 | Not classified |

Recover RX ~ Page 2 of 8



Section 4 -- FIRST-AID MEASURES

| 4.1. Description of first-aid measures | |
|--|--|
| Inhalation: | Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if symptoms are severe or persist. |
| Ingestion: | Never give anything by mouth to an unconscious person. Do not induce vomiting, unless instructed by a healthcare professional. Rinse mouth thoroughly with water. Get medical attention if any symptoms develop. |
| Skin Contact: | Remove affected person from source of contamination. Take off immediately all contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. |
| Eye Contact: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. |

| 4.2. | Most important symptoms and effect, both acute and delayed |
|------|--|
|------|--|

| Inhalation: | May cause respiratory irritation. There may be irritation of the throat with a feeling of tightness in the chest. |
|---|---|
| Ingestion: | Ingestion may cause nausea, vomiting and stomach and digestive irritation. There may be soreness and redness of the mouth and throat. |
| Skin Contact: | Skin contact may cause redness and irritation. Prolonged or repeated skin contact can result in the development of allergy-like skin reactions (e.g., dermatitis, rashes) |
| Eye Contact: | There may be irritation and redness. Profuse watering of the eyes. |
| 4.3. Indication of any immediate medical at | ttention and special treatment needed |
| Notes for doctor: | No specific recommendations. If in doubt, get medical attention promptly. Treatment may vary with the condition of victim and |

| Notes for doctor: | No specific recommendations. If in doubt, get medical attention |
|----------------------|---|
| | promptly. Treatment may vary with the condition of victim and |
| | specifics of incident. |
| Specific treatments: | Eye bathing equipment should be available on the premises. |

| Section 5 FIREFIGHTING MEASURES | 5 |
|--|---|
| 5.1. Extinguishing media | |
| Suitable extinguishing media: | The product is not flammable. Use fire-extinguishing media suitable |
| | for the surrounding environment. The substance itself does not |
| | burn. |
| Unsuitable extinguishing media: | N/A |
| Environmental Hazards: | |
| 5.2. Special hazards arising from the su | ibstance or mixture |
| Hazardous combustion products: | N/A |
| | |



| 5.3. Advice for firefighters | |
|--|---|
| Protective actions during firefighting: | No specific firefighting precautions known. Irritant, non-flammable, water soluble, upon contact with water pressure generates foam. Do |
| | not inhale gases created by fire. Do not allow run-off from |
| | firefighting to enter drains or watercourses. |
| Special protective equipment for firefighters: | Wear positive-pressure self-contained breathing apparatus (SCBA) |
| | eye protection and appropriate protective clothing. |

| 6.1. Personal precau | protective equipment and emergency procedures | |
|------------------------------|--|----------|
| Personal precautions: | Wear protective clothing as described in Section 8 of this safe sheet. | ety data |
| 6.2 Environmental | tions | |
| Environmental precaut | Avoid the spillage or runoff entering drains, sewers or waterc | ourses |
| 6.3 Methods and m | l for containment and cleanup | |
| Methods for cleaning u | Stop leak if possible without risk. Contain and absorb spillage sand, earth or other noncombustible material. Transfer to a container for disposal. Flush contaminated area with plenty o water. Avoid the spillage or runoff entering drains, sewers or watercourses. | |
| 6.4 Reference to ot | ctions | |
| Reference to other sect | For personal protection, see Section 8. For waste disposal, see Section 8. For waste disposal, see | е |

| Section 7 HANDLING AND STORAGE | |
|---|--|
| 7.1. Precautions for Safe Handling | |
| Using precautions: | Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Wash hands thoroughly after handling. |
| Advice on general occupational hygiene: | Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas. |
| 7.2. Conditions for Safe Storage, Includin | g Any Incompatibilities |
| Storage precautions: | Store in tightly closed original container in a dry, cool and well- ventilated place. Store at temperatures above 5°C. Keep away from heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. |
| 7.3. Specific end use(s) Specific end use(s) | The identified uses for this product are detailed in Section 1.2. |



Section 8

-- EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control Parameters

Occupational exposure limits

| Material | Туре | Value | Source |
|---|-----------|--|--------------|
| Urea (CAS 57-13-6): | ACGIH TWA | 10 mg/m ³ - inhalation particulate | USA ACGIH |
| | OSHA PEL | 5 mg/m ³ - Respirable (particulate) | USA OSHA |
| | (TWA) | | |
| Potassium hydroxide (CAS 1310-58-3): | ACGIH TLV | 2 mg/m ³ (ceiling) | USA ACGIH |
| Methylene diurea (CAS 13547-17-6): | N/A | N/A | N/A |
| Phosphoric acid (CAS 7664-38-2): | ACGIH TLV | 1 mg/m ³ (TWA), 3 mg/m ³ (STEL) | OSHA |
| | OSHA PEL | 1 mg/m³ (TWA) | ACGIH |
| | GER MAK | 2 mg/m ³ (TWA), inhalable | GER MAK |
| | NIOSH REL | 1 mg/m ³ (TWA), 3 mg/m ³ (STEL) | NIOSH |
| | DNEL | 2.92 mg/m ³ , inhalation | |
| Salicylic acid (CAS 69-72-7): | OSHA | 1 mg/m ³ , 3 mg/m ³ , 16 mg/m ³ , | Manufacturer |
| | | inhalation | |
| | | 2 mg/m ³ , skin contact | |
| Monopotassium phosphite (CAS 13977-65-6): | N/A | N/A | N/A |
| Dipotassium phosphite (CAS 13492-26-7): | N/A | N/A | N/A |

Protective equipment General information:

Appropriate engineering controls:

Eye / face protection: Hand protection:

Other skin and body protection: Hygiene measures:

Respiratory protection:

Environmental exposure controls:

С

Protective engineering solutions should be implemented and in use before personal protective equipment is considered. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Use chemical splash-type goggles. Face shield. For hand protection, wear approved gloves made of nitrile, PVC, or neoprene. Thoroughly rinse the outside of gloves with water prior to removal. Inspect regularly for leaks. For body protection wear suitable protective clothing. Avoid breathing vapors, mist or gas. Clean water should be available for washing in case of eye or skin contamination. If concentrations in excess of 10 ppm are expected, use NIOSH/DHHS approved self-contained breathing apparatus (SCBA) or other approved air-supplied respirator (ASR) equipment (e.g., a fullface airline respirator (ALR)). Eye bathing equipment should be available on the premises. Provide quick-drench showers and washing facilities accessible to areas of use and handling. Have supplies and equipment for neutralization and running water available.

Equipment:

HMIS Letter:







SAFETY DATA SHEET

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| Physical State: | Liquid | Evaporation Rate: | Same as water |
|----------------------------|----------------------------|----------------------|-------------------------|
| Color | Dark Brown | Boiling Point: | About 212°F / 100°C |
| Odor: | Mild Earthy Odor | Freezing Point: | 32°F / 0°C |
| Weight per Gallon / Liter: | 10# @ 70°F / 1.2 Kg @ 21°C | Viscosity: | 1-10 cps @ 21 Degrees C |
| Storage Life at 70F: | >2 years | Flash Point/Method: | Noncombustible |
| pH – 21C: | 4.6 | Vapor Pressure: | Equivalent to water |
| Solubility: | Completely Miscible | Storage Temperature: | Above 32°F / 0°C |

| Section 10 STABILITY AND REACTIVITY | |
|--|---|
| | |
| 10.1. Reactivity | |
| Reactivity: | Stable |
| 10.2. Chemical Stability | |
| Stability: | Stable under normal recommended storage conditions. |
| 10.3. Possibility of Hazardous Reactions | |
| Possibility of hazardous reactions: | N/E |
| 10.4 Conditions to Avoid | |
| Conditions to avoid: | Exposure to extreme temperatures and incompatible materials |
| 10.5 Incompatible Materials | |
| Materials to avoid: | N/E |
| 10.6 Hazardous Decomposition Products | |
| Hazardous decomposition products: | N/E |
| Section 11 TOXICOLOGICAL INFORMATIO | ON |
| 11.1. Information on Toxicological Effects | |
| Toxicological effects: | N/E. No data available. |
| 11.2 Toxological information on main comp | ponents of the mixture: |
| - | N/E No data available |

N/E. No data available.

| Section 12 ECOLOGICAL INFORMATION | |
|--|-----------------------------|
| Ecotoxicity: | |
| 12.1. Toxicity | |
| | N/A |
| 12.2. Persistence and degradability | |
| Persistence and Degradability: | N/E |
| 12.3. Bioaccumulative potential | |
| Bioaccumulative potential: | N/A |
| Partition coefficient: | |
| 12.4. Mobility in Soil | |
| Mobility: | N/A |
| 12.5. Results of PBT and vPvB Assessment | |
| | Not listed in EIS PBT List. |
| 12.6. Other Adverse Effects | |
| Other adverse effects: | N/E |



Section 13 -- DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Disposal methods:

Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product, residue and/or container.

The information offered in Section 13 is for the product as shipped.

Section 14 -- TRANSPORTATION INFORMATION

General

Product is not flammable, not corrosive, not explosive and not radioactive.

| 14.1. | UN Number | |
|-------|------------------------------|--------|
| | | N/A |
| 14.2. | UN Proper Shipping Name | N1 / A |
| 14.3. | Transport Hazard Class(es) | N/A |
| 14.5. | | N/A |
| 14.4. | Packing Group | , |
| | | N/A |
| 14.5. | Environmental Hazards | NI / A |
| 14.6. | Special Precautions for User | N/A |
| T4.0. | Special Frecautions for Oser | |

14.7. Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code

N/A

| Section 15 REGULATORY INFORMATION | |
|--|--|
| 15.1. Safety, health and Environmental Reg | ulations / Legislation Specific for the Substance or Mixture |
| EU legislation: | This product is labeled in accordance EU directives. The Dangerous |
| | Substance Directive (Directive (67/548/EEC, "DSD"), The Dangerous |
| | Preparations Directive (Directive 1999/45/EC, "DPD") and the new |
| | regulations classification, labeling and packaging of substances and |
| | mixtures, Regulation (EC) No 1272/2008 of the European Parliament |
| | and the Council of 16 December 2008 on classification, labelling and |
| | packaging of substances and mixtures (as amended). Commission Regulation (EU) No 453/2010 of May 2010. USA-FDA Title 21 CFR |
| | 172.510. Flavoring agents and related substances. FEMA GRAS |
| | number 3121. |
| US Federal | |
| | CAS 69-72-7 is listed on the TSCA inventory. SARA code for CAS # 69- |
| | 72-7: acute, chronic. None listed under TSCA Section 12b. None of |
| | the materials have SNUR under TSCA. None of the materials have an |
| | RQ under SARA Section 302. |
| 15.2. Chemical Safety Assessment | |
| | See Section 2.3 for NFPA & HMIS Ratings |





Section 16 - 0

OTHER INFORMATION

REVISED DATE: 16 May 2016

| Other Precautions: | Read enti | ire label before using | |
|---|-----------|--|--|
| Abbreviations / Acronyms: | N/E | Not Established N/A Not applicable | |
| - | ACGIH | American Conference of Governmental Industrial Hygienists | |
| | TLV | Threshold Limit Values | |
| | PEL | Permissible Exposure Limit | |
| | REL | Recommended Exposure Limit | |
| | OSHA | Occupational Safety and Health Administration | |
| | NIOSH | National Institute for Occupational Safety and Health | |
| | TWA | Time Weighted Average over 8 hours of work | |
| | TLV | Threshold Limit Value over 8 hours of work | |
| | REL | Recommended Exposure Limit | |
| | PEL | Permissible Exposure Limit | |
| | STEL | Short Term Exposure Limit during x minutes | |
| | IDLH | Immediately Dangerous to Life or Health | |
| | TSCA | Toxic substance Control Act (United States) | |
| | DSL | Domestic Substance List (Canada) | |
| | EINECS | European Inventory of Existing Commercial Chemical Substances (Europe) | |
| ELINCS European List of Notified Chemical Substances (Europe ENCS Existing Chemical Substances | | European List of Notified Chemical Substances (Europe) | |
| | | | |
| | IECSC | Inventory of Existing Chemical Substances | |
| | KECL | Korea Existing Chemicals Inventory | |
| | PICCS | Philippines Inventory of Chemical and Chemical Substances | |
| | AICS | Australian Inventory of Chemical Substances | |
| | NZIOC | New Zealand Inventory of Chemicals | |
| | HMIS | Hazardous Material Identification System (American Coatings Association) | |
| | NFPA | National Fire Protection Association | |
| | PBT | Persistent Bioaccumulative and Toxic | |
| | vPvB | Very Persistent and very Bioaccumulative | |
| | STOT SE | Specific Target Organ Toxicity; Single Exposure | |
| | STOT RE | Specific Target Organ Toxicity; Repeated Exposure | |
| | GER-MAK | Germany Maximum Workplace Concentration | |

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Growth Products, Ltd. The data on this sheet relates only to the specific material designated herein. Growth Products, Ltd. assumes no legal responsibility for use or reliance upon this data.