



The Company With Connections[®]



A NON-DESTRUCTIVE CONCRETE DISSOLVER

KELLY'S CONCRETE DISSOLVER

● KELLY'S CONCRETE DISSOLVER A Earth Friendly Product

A non-destructive acid for today's environment using a molecular cement dissolver. **KELLY'S CONCRETE DISSOLVER** is a tried and tested alternative for removing hardened concrete from tools, mandrels, mixers, drains and even electrical conduits. It uses an active ingredient found in sugar cane syrup so the product is not hazardous to equipment or workers or paint. The detergent base utilizes unique green surfactants that are readily biodegradable and quickly break down into non-polluting compounds. It does not produce any fumes or odors and or contain muriatic, hydrofluoric, sulfuric or phosphoric acids.

The effects of sugar on concrete has been known for many years. In some parts of the world sugar is still commonly used to retard the set of mortar and other cementitious products. "Sugar affects both fresh and hardened concrete. Dry sugar has no effect on hardened concrete, but sugar solutions can be very corrosive." This vulnerability has been turned into an opportunity to safely remove hardened concrete from a variety of surfaces that are otherwise difficult to clean. By molecularly attacking the Portland in cement it completely dissolves the hardened molecular structure back into rinsable mud. Kelly's Concrete Dissolve actually breaks down the iconic bond in Portland cement, releasing the cement from any surface to which it has adhered. Chemically speaking, it essentially converts the positive ions in the hardened matrix into negative ions and then dissolves the cement into a mud that can easily be rinsed away. Another advantage is that it does not break down after continued use, so as long as liquid remains it will keep on dissolving concrete.

● PRODUCT REFERENCES

It is non-regulated by DOT CFR49 (Sec. 173.24) and because it is biodegradable meets **ASTM: E1720-01** and being non-corrosive meets **ASTM: G-31**.

This in turn allows it to be listed as approved with a **Positive Environmental Profile** on EPA design for the Environment Formulators Initiative Dfe) Safer Detergents Stewardship Initiative (SDSI).



"It hasn't been that clean since it was new," says Mike at Dyer Vault.

● APPLICATION

Application and use are relatively simple. First the hardened concrete is saturated with Kelly's Concrete Dissolver, either with a brush or by spraying. After about 15 minutes the same area is again saturated with the chemical. The concrete typically begins to soften in 20 to 30 minutes, at which point it should be rinsed off with water. Repeat applications can be used to remove thicker applications. It is very important to use the product undiluted. Because it works chemically, rather than mechanically Kelly's concrete dissolver may be used to remove cured concrete, mortar, grout, and stucco from virtually any surface without harm.

● AVAILABILITY



Kelly's Concrete Dissolver is available in 5, 35, 65 and 275 gallon containers as well as a 16 oz. spray bottle. It is in stock ready to be shipped directly, nationally or internationally, to your location.

CLEANING AN INVERT WITH KELLY'S CONCRETE DISSOLVER





Kelly's Concrete Dissolver

BACK-SET Molecular Cement Dissolver

S.D.S.

Safety Data Sheet

According To Federal Register / Vol. 77 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 01/30/2017 Date Of Issue: 10/02/2014 Version 2.0

SECTION 1: IDENTIFICATION

1.1. Production Identifier

Product Form: Mixture

Product Name: Kelly's Concrete Dissolver, Back-Set Molecular Cement Dissolver

Product Code: KC-G-xxx, back001

1.2. Intended Use of the Product

Use of the substance/mixture: Cleaning Compound

1.3. Name, Address, and Telephone of the Responsible Party

Company

RoMix, Inc.

P.O. Box 1110

Colleyville, Texas 76034

1-800-331-2243

romixchem.com

1.4. Emergency Telephone Number

Emergency Number:

Chem-Tel 1-800-255-3924, RoMix 1- 800-331-2243

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US) (Canada)

Not Classified

2.2. Label Elements

GHS-US Labeling



Irritant R-36 Irritating to eyes

Signal Word: Caution

2.3. Other Hazards

H-320 (Causes eye irritation) Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 COMPONENT/SUBSTANCE	CAS-NO.	CONCENTRATION
ORGANIC CARBOXYLIC COMPOUND	*TRADE SECRET	*TRADE SECRET
LINEAR ALCOHOL ETHOXYLATE SURFACTANT	68439-46-3	1.5%

3.2 Trade Secret Proprietary Status:

**Canadian Reference: HMIRA Registry Number 9337 Filing Date 2014-12-10

USA Reference: Section 4.11 CBI guide to GHS, OSHA 29 CFR 19.200 (i1) and/or CFR 350.

Should an emergency situation occur further substance information may be obtained by emergency room physician by calling the emergency information numbers(s) shown above

3.3 Mixture

This mixture and its components are not considered a hazard when used in a manner which is consistent with label instructions. 29 CFR 1910.1200 (f1) and the properties and effects of the components of this product are disclosed in this SDS.



Kelly's Concrete Dissolver

BACK-SET Molecular Cement Dissolver

S.D.S.

Safety Data Sheet

According To Federal Register / Vol. 77 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 01/30/2017 Date Of Issue: 10/02/2014 Version 2.0

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

First-aid Measures After Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Rinse immediately with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures after Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2. Most Important Symptoms and Effects, both Acute and Delayed

Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries after Eye Contact: May cause eye irritation.

Symptoms/Injuries after Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible)

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing vapor, mist, or spray.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.



Kelly's Concrete Dissolver

BACK-SET Molecular Cement Dissolver

S.D.S.

Safety Data Sheet

According To Federal Register / Vol. 77 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 01/30/2017 Date Of Issue: 10/02/2014 Version 2.0

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

7.3. Specific End Use(s)

Truck Wash

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product.

8.2. Exposure Controls

Appropriate Engineering Control: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers

should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: No Occupational Exposure Limits (OELs) have been established for this product.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State:	Liquid
Appearance:	Amber Clear
Odor:	Mild, Burnt Sugar, Pleasant
Odor Threshold:	No Data Available
pH:	3>

Kelly's Concrete Dissolver

BACK-SET Molecular Cement Dissolver

S.D.S.



Safety Data Sheet

According To Federal Register / Vol. 77 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 01/30/2017 Date Of Issue: 10/02/2014 Version 2.0

Evaporation Rate:	No Data Available
Melting Point:	No Data Available
Freezing Point:	32°F (0°C)
Boiling Point:	100 °C 214°F
Flash Point:	N/A
Auto-ignition Temperature:	No Data Available
Oxidizing:	No
Decomposition Temperature:	No Data Available
Flammability:	Not Flammable
Vapor Pressure:	No Data Available
Vapor Density:	(Air=1) >1
Relative Vapor Density at 20°C:	No Data Available
Relative Density:	No Data Available
Specific Gravity:	Water (1) 1.085
Solubility In Water:	Complete
Partition Coefficient: N-octanol/water:	No Data Available
Viscoisty:	That of Water
VOC'S:	None

9.2. Other Information: No additional information available.

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.
- 10.5. **Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6. **Hazardous Decomposition Products:** Should not occur. If in fire Carbon Oxides may be produced. (CO, CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

	CAS-NO.	LD50 ORAL/RAT	LC50 (RAT, AEROSOL, 4h)
LINEAR ALCOHOL ETHOXYLATE SURFACTANT	68439-46-3	1.0g/kg	NO DATA
ORGANIC CARBOXYLIC COMPOUND	*TRADE SECRET	>1000mg/kg	>2.5g/m ³

- Acute Toxicity:** Not Classified
- Skin Corrosion/Irritation:** Not Classified
- Serious Eye Damage/Irritation:** Not Classified
- Respiratory or Skin Sensitization:** Not Classified
- Germ Cell Mutagenicity:** Not Classified
- Carcinogenicity:** Not Classified
- Reproductive Toxicity:** Not Classified
- Specific Target Organ Toxicity (Single Exposure):** Not Classified
- Specific Target Organ Toxicity (Repeated Exposure):** Not Classified
- Aspiration Hazard:** Not Classified
- Symptoms/Injuries After Inhalation:** May cause respiratory irritation.
- Symptoms/Injuries After Skin Contact:** May cause skin irritation.
- Symptoms/Injuries After Eye Contact:** May cause eye irritation.



Kelly's Concrete Dissolver

BACK-SET Molecular Cement Dissolver

S.D.S.

Safety Data Sheet

According To Federal Register / Vol. 77 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 01/30/2017 Date Of Issue: 10/02/2014 Version 2.0

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1. **Toxicity** No additional information available
- 12.2. **Persistence and Degradability** Readily biodegradable per OECD Test. 90% 7 Days
- 12.3. **Bioaccumulative Potential** None
- 12.4. **Mobility in Soil** No additional information available
- 12.5. **Other Adverse Effects**

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment

SECTION 14: TRANSPORT INFORMATION

- 14.1. **In Accordance with DOT** Not regulated for transport
- 14.2. **In Accordance with IMDG** Not regulated for transport
- 14.3. **In Accordance with IATA** Not regulated for transport
- 14.4. Based on test results this mixture is not regulated by DOT when shipped by truck, rail or ocean freight.
Ref. 49 CFR 173.364(A), 173.137 ATSM G-31, Draize skin rabbit. When shipped by air consult other DOT regulations.
- 14.5. **Proper Shipping Name:** Compound Cleaning Liquid NOI

SECTION 15: REGULATORY INFORMATION

- 15.1. **US Federal Regulations**
- 15.2. **US State Regulations** Neither this product nor its chemical components appear on any US state lists.

TSCA (Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories

None

313 Reportable Ingredients:

CERCLA (Comprehensive Response Compensation and Liability Act)

None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: D2B

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number listed on the Canadian Ingredient Disclosure List are shown in Section 3.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise

Kelly's Concrete Dissolver

BACK-SET Molecular Cement Dissolver

S.D.S.



Safety Data Sheet

According To Federal Register / Vol. 77 / Monday, March 26, 2012 / Rules And Regulations


Revision Date: 01/30/2017 Date Of Issue: 10/02/2014 Version 2.0

indicated.

EINECES (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

WGK Water Quality Index: 1Vbk Index: Not applicable

Risk Phrases R36/ Irritating to eyes	Symbols(s) Required for Label GSH-07  Irritant	Precautionary Statements: P280 [Wear protective gloves/clothing/eye protection] P264 [Wash thoroughly after handling] P305 [If in eyes] + P351 [Rinse cautiously with water for several minutes] +P338 [remove contact lenses continue rinsing] P337 [If eye irritation persists] +P313 [Seek medical advice/attention]
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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

HMIS Ratings:

Health 1

Flammability 0

Physical Hazard 1

Personal Protective Equipment B

Health Hazards

H320: Causes Eye Irritation

1=Slight

2=Moderate

0=Insignificant

3=High

B=Safety Glasses

4=Extreme

Revision Date:

01/30/2017

Other Information:

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.122

SDS Prepared By:

SDS Coordinator, RoMix, Inc. Colleyville, TX 76034 1-800-331-2243

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Data is based on information from the manufacturer of the product and manufacturer of the components of the product. RoMix assumes no responsibility for injury or damage caused by abnormal use of the product contrary to safety procedures not adhered to this SDS.