



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Common Name: KOVAR BRIGHT DIP

Chemical Name: ACID MIXTURE

Preparation Date: 9/23/2015

Last Revision Date: 9/23/2015

Manufacturer's Name & Address

Roberts Chemical Co., Inc.
330-B Victor Road
Attleboro, MA 02703
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FAX: 508-222-2752
www.robertschem.com

Emergency Telephone Number:

CHEMTRAC 24-HourToll Free (800) 424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

HAZARD RATING		NFPA		
4 = EXTREME				
3 = SEVERE	3	2	0	0
2 = MODERATE				
1 = SLIGHT				
0 = UNKNOWN				

GHS Label elements, including precautionary statements



Pictogram:

Signal Word: **DANGER**

Hazard Statement(s)

H314 - Causes severe skin burns and eye damage

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary Statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

P363 - Wash contaminated clothing before reuse.

P501 Dispose of contents/ container to an approved waste disposal plant.



SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

PRODUCT	CAS#	% BY WEIGHT
ACETIC ACID	64-19-7	<67%
NITRIC ACID	7697-37-2	<33%
HYDROCHLORIC ACID	7647-01-0	<2%

SECTION 4: FIRST-AID MEASURES

EYES: flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention IMMEDIATELY.

SKIN: Immediately wash contaminated areas with plenty of water for 15 minutes. Remove contaminated clothing and footwear, and wash before reuse. Discard any clothing that cannot be decontaminated. Seek medical attention immediately.

INGESTION: NEVER give anything by mouth to an unconscious person. If swallowed, give large quantities of water, milk, or 1% sodium thiosulfate solution. If vomiting occurs spontaneously, keep airway clear. Seek medical attention immediately.

INHALATION: remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Fire extinguishing media: Water, dry chemicals, CO₂.

Special fire-fighting procedures: Protective clothing and self-contained breathing apparatus should be worn to avoid oxides of nitrogen gas.

Avoid flushing to sewers or streams, toxic to aquatic life.

Unusual fire & explosion hazards: Can cause increased flammability in contact with wood or other organics.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General Information neutralize with soda ash or sodium bicarbonate and flush to waste treatment system. Comply with Federal, State and Local regulations on disposal and reporting releases.

SECTION 7: HANDLING AND STORAGE

HANDLING: DO NOT BREATHE FUMES. Wear chemical splash-type mono-goggles, face mask, rubber or neoprene gloves, apron or protective clothing, and chemical resistant shoes. Wash thoroughly after handling. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Containers must not be used for any other purpose.

STORAGE: Keep from freezing. Keep container closed when not in use. Store drums in cool areas out of direct sunlight. Properly label containers. Store away from cyanides and combustibles. Do not store or handle food beverages, or tobacco near this product.



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Respiratory protection is recommended. Use NIOSH/MSHA approved respirator where mist or spray may be generated above TLV limits.

VENTILATION: Use adequate local exhaust ventilation where mist or spray may be generated, to maintain levels below TLV limits.

PROTECTIVE CLOTHING: wear rubber or acid resistant gloves and rubber apron.

EYE PROTECTION: chemical safety goggles or face shield.

WORK PRACTICES: skin that becomes contaminated with this substance should be immediately washed or showered with soap and water.

HYGIENIC PRACTICES: eating, drinking or smoking should not be permitted in areas where any chemical substances are handled, processed, or stored. Employees who handle these materials should wash their hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities.

Effects of overexposure: Acid burns to skin and eyes. Irritation to mucous membranes. Vapor is harmful to lungs.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid.

Appearance: clear to yellowish liquid

Odor: sharp odor

pH of undiluted product: 1

SECTION 10: STABILITY AND REACTIVITY

Stability: The product is stable.

Conditions to avoid: Contact with cyanides.

Incompatibility (materials to avoid): Avoid contact with cyanides, most metals, alkalis, wood, paper and similar products.

Polymerization: Will not occur.

Hazardous Decomposition: Poisonous oxides of nitrogen and phosphorus.

SECTION 11: TOXICOLOGICAL INFORMATION

Not Available

SECTION 12: ECOLOGICAL INFORMATION

Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Neutralize to a pH of 6-8 with soda ash or sodium bicarbonate. Allow sludge to settle. Waste must be disposed of in accordance with federal, state and local environmental control regulations.



SECTION 14: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: CORROSIVE LIQUID N.O.S. (CONTAINS NITRIC ACID, ACETIC ACID AND HYDROCHLORIC ACID)

HAZARDOUS CLASSIFICATION: 8

IDENTIFICATION NUMBER: UN 3260

PKG GROUP: PG II

DOT GUIDE: ERG154

Precautionary label: CORROSIVE

SECTION 15: REGULATORY INFORMATION

CERCLA Hazardous Substances and corresponding RQs

nitric acid CAS# 7697-37-2: 1000 lb final RQ; 454 kg final RQ

SARA Section 302 Extremely Hazardous Substances

nitric acid CAS# 7697-37-2: 1000 lb TPQ

SARA Codes

nitric acid CAS # 7697-37-2: immediate, delayed, fire.

Section 313

This material contains Nitric acid (CAS# 7697-37-2, 20-70%) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Water Act: **CAS# 7697-37-2 is listed as a Hazardous Substance under the CWA.**

OSHA: **CAS# 7697-37-2 is considered highly hazardous by OSHA.**

STATE CAS# 7697-37-2 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, and Massachusetts.

ACETIC ACID 33% CAS#64-19-7

Federal and State Regulations:

New York release reporting list: Acetic acid Rhode Island RTK hazardous substances: Acetic acid Pennsylvania RTK: Acetic acid Florida, Minnesota, Massachusetts, New Jersey, California

List of Hazardous substances: (8 CCR 339): Acetic acid TSCA 8(b) inventory: Acetic acid CERCLA:

Hazardous substances: Acetic acid: 5000 lbs. (2268 kg)

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):

CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

CLASS E: Corrosive liquid.

SECTION 16: OTHER INFORMATION

All information, recommendations and suggestions appearing herein concerning this product are based upon data believed to be reliable; however, it is the user's responsibility to determine the safe handling and suitability for the use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by **Roberts Chemical** as to the effects



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Safety Data Sheet

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