

SAFETY DATA SHEET



Date Prepared : 05/31/2015

SDS No : 5235

D-SOLV

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: D-SOLV

PRODUCT CODE: 5235

MANUFACTURER

JOHN-HENRY Enterprises, Inc.

2813 Richland Ave

Metairie, LA 70002

Emergency Contact: H. Zeller

Emergency Phone: 504-888-8989

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Corrosion, Category 1

Skin Corrosion, Category 1

GHS LABEL

CORROSIVE. Causes severe irritation and burns to skin. Causes severe burns and damage to eyes. Mists and spray can be irritating to eyes, nose, throat, and respiratory tract. Harmful or fatal if swallowed.



CORROSIVE

HAZARD STATEMENTS

H318: Causes serious eye damage.

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

H290: May be corrosive to metals.

PRECAUTIONARY STATEMENTS

General:

P102: Keep out of reach of children.

P103: Read label before use.

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P262: Do not get in eyes, on skin, or on clothing.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Storage:

75990X3S: Keep only in original container. Store in a well-ventilated place. Keep container tightly closed.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Causes severe irritation and burns to skin. Causes severe irritation, burns, and damage to eyes. Mists and vapors can cause irritation to eyes, nose, throat, and respiratory tract. Ingestion can damage mouth, throat, and other tissues and may be fatal.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive, contact causes severe eye burns.**SKIN:** Corrosive, causes skin burning.

INGESTION: Causes irritation, burns, and damage to mouth, throat, esophagus, and stomach. May be fatal if swallowed.

INHALATION: Mists or sprays can be moderately to severely irritating to eyes and respiratory tract.

ROUTES OF ENTRY: Skin, eyes, ingestion, inhalation

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Potassium Hydroxide	< 45	1310-58-3
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.	> 55	mixture

4. FIRST AID MEASURES

EYES: Treat eye contact and a medical emergency. Gently hold eyelids open and immediately flush eyes with water for at least 15 minutes or until pain eases. Remove contact lenses if possible. Cover eyes loosely with sterile dressing and SEEK IMMEDIATE MEDICAL ATTENTION.

SKIN: Remove contaminated clothing and footwear. Flush off with copious amounts of running water. Seek medical attention for burns or if irritation persists or worsens.

INGESTION: Get immediate emergency medical attention (Call 911). Do not induce vomiting unless instructed to do so by poison center or physician. Give water, milk, or dilute citrus juice unless unconscious or convulsing. Keep patient warm, quiet, and comfortable and treat for shock.

INHALATION: If affected by vapors, spray or mist, move to fresh air. Seek medical attention if symptoms persist or worsen. Give oxygen if breathing is difficult and seek prompt medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe irritation or pain, blurring and loss of vision, permanent damage.

SKIN: Causes moderate to severe irritation and possibly burns.

INGESTION: Harmful or fatal if swallowed. Can cause irritation, gastric upset, burns and damage (corrosion) to mouth, throat, esophagus and gastrointestinal tract.

INHALATION: Spray or mists can severely irritate eyes, nose, throat, and respiratory tract causing coughing, sneezing, difficulty breathing, etc.

NOTES TO PHYSICIAN: Treat symptomatically. If burns are present, treat for thermal burns.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not Applicable - Water based product with no flashpoint.

EXTINGUISHING MEDIA: Not applicable - water based product. After water has evaporated, use water (fog or spray) or chemical foam on burning solids.

HAZARDOUS COMBUSTION PRODUCTS: After water has evaporated, burning solids will produce oxides of carbon and phosphorus, organophosphorus and hydrocarbon residues and acrid fumes

EXPLOSION HAZARDS: Containers can burst if exposed to flames or high temperatures.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus when fighting chemical fires. Use water fog or spray to cool containers.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Wear recommended PPE. Contain and absorb spilled material. Dispose of contaminated absorbant properly. Wash spill area with water.

LARGE SPILL: Wear appropriate PPE. Ventilate the area and remove uninvolved personnel from area. Stop flow. Contain spill and keep from entering sewer or surface waterways. Collect spill into suitable, properly labeled containers for use or disposal. Rinse spill area with water.

7. HANDLING AND STORAGE

HANDLING: Read and understand product label and SDS before handling any chemical. Always wear recommended personal protective equipment. Follow label instructions.

STORAGE: Store in original containers in well ventilated area. Keep containers closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Maintain sufficient ventilation in storage and use areas to prevent the accumulation of product vapors, spray, or

mists. Provide local exhaust for enclosed areas.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses or goggles and face shield when handling.

SKIN: Wear rubber, latex, or other chemical resistant gauntlet gloves and boots

RESPIRATORY: Use with adequate ventilation. Wear a NIOSH approved multi-purpose air purifying respirator where vapors, mists or spray are excessive or exceed exposure limits.

PROTECTIVE CLOTHING: Wear chemically resistant full length apron and impermeable boots when handling.

WORK HYGIENIC PRACTICES: Wash thoroughly before eating, drinking, smoking, or using the facilities after handling any chemical product.

OTHER USE PRECAUTIONS: Working eyewash stations and safety showers should be located in or near all areas where chemicals are stored or used.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: faint, ether-like

APPEARANCE: clear, amber, viscous liquid

pH: > 13.0

Notes: (5%)

PERCENT VOLATILE: 50 - 55% (w/w)

FLASH POINT AND METHOD: No flashpoint

VAPOR PRESSURE: Same as water (approximately)

VAPOR DENSITY: Same as water (approximately)

BOILING POINT: greater than 212 deg F

FREEZING POINT: less than 32 deg F (0 deg C)

SOLUBILITY IN WATER: Complete in all proportions.

EVAPORATION RATE: Same as water (approximately)

SPECIFIC GRAVITY: 1.42 to 1.44

VISCOSITY: Not determined

(VOC): < 0.100

10. STABILITY AND REACTIVITY

POSSIBILITY OF HAZARDOUS REACTIONS: Reacts with metals such as aluminum or zinc (releases hydrogen, a flammable gas). Reacts vigorously with concentrated acids (generating heat and steam)

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and phosphorus, organophosphorus and hydrocarbon residues

INCOMPATIBLE MATERIALS: Concentrated acids, oxidizing agents, metals such as aluminum or zinc, ammonia and amines

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: ~ 600 mg/kg (rat)

EYE EFFECTS: Severe irritation, pain, burns, temporary or permanent loss of vision.

SKIN EFFECTS: Moderate to severe irritation, burns, damage to underlying tissues, and scarring.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: ~ 178 mg/l (fish)

COMMENTS: No other data available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Unused or undiluted product constitutes a hazardous waste. Follow all appropriate local, state, and Federal disposal regulations. Surfactants and other organic components are biodegradable. Collect and neutralize spent solutions and discharge to a waste water treatment facility.

FOR LARGE SPILLS: See Section 6

EMPTY CONTAINER: Triple rinse container thoroughly with water and recycle.

RCRA/EPA WASTE INFORMATION: Unused or undiluted product would constitute an RCRA regulated hazardous waste due to corrosivity (CORROSIVE WASTE - D002, pH equal to or greater than 12.5)

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: NA1760, Compound, Cleaning liquid (contains potassium hydroxide), 8, II

VESSEL (IMO/IMDG)

SHIPPING NAME: UN1814, POTASSIUM HYDROXIDE SOLUTION, N.O.S, 8, II

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Acute health hazard (eye and skin irritation/corrosion)

FIRE: No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Potassium Hydroxide	< 45	1,000

CERCLA RQ: approximately 2300 lbs (as supplied)

EPA

EPA RQ INGREDIENT: Potassium Hydroxide

EPA RQ PRODUCT: approximately 2300 lbs (as supplied)

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Potassium Hydroxide	1310-58-3

TSCA STATUS: All ingredients are included on the TSCA Inventory or are exempt

CALIFORNIA PROPOSITION 65: Contains no substances known to the State of California to cause cancer, birth defects, or reproductive harm.

16. OTHER INFORMATION

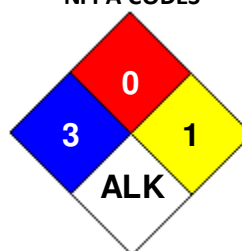
APPROVED BY: H. Zeller

PREPARED BY: CSCC **Date Prepared:** 05/31/2015

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input checked="" type="checkbox"/>	X

NFPA CODES



GENERAL STATEMENTS: Amounts specified herein (other than for regulatory purposes) are typical and do not represent a specification. Unspecified or unlisted components are proprietary, do not present a hazard at levels present, are not hazardous, and/or are present at levels below reportable limits. Exact percentage values for all components are proprietary in accordance with 29 CFR 1910.1200(i)

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