



Material Safety Data Sheet

MSDS: 113-RD

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Company:

IDQ Operating, Inc.
2901 W Kingsley Rd.
Garland, Texas 75041
Phone No.: 1-888-396-0422
CHEMTREC Phone No.: 1-800-424-9300

HAZARD RATING

Health	1	0 = Insignificant
Fire:	0	1 = Slight
Reactivity:	0	2 = Moderate
Special:	--	3 = High
		4 = Extreme

Product Description: Radiator Stop Leak, Advanced 2 Part System, 12 oz total fill (Sold in two-compartment container, 8 oz of leak sealer and 4 oz of UV dye).

Part Number: 113-RD

MSDS Date: 7-19-2010

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

No.	Description	CAS Reg. No.	Units	Amount
1	Cooling System Sealer AQ-114*	NA	% vol	66
2	UV Dye Mix	NA	% vol	3
3	Water	7732-18-5	% vol	31

This product contains no known hazardous materials as defined by OSHA hazard communication standard 29 CFR 1910.1200 and SARA 311 and 312.

* Trade secret – proprietary formula. Specific chemical identities are withheld as a trade secret under the provisions of OSHA hazard communication standard 29 CFR 1910.1200.

SECTION 3: HAZARDS INFORMATION

EMERGENCY OVERVIEW:

Appearance: Semi viscous brown woody liquid; Light yellow liquid.

Portals of Entry: Ingestion, inhalation, eye contact, and skin contact.

Ingestion: Irritation and nausea. Maybe harmful if swallowed.

Inhalation: No known hazards.

Eye Contact: Irritation and redness.

Skin Contact: Irritation, redness and dryness.

Delayed Effects: None known.

HEALTH EFFECTS FROM OVEREXPOSURE:

Skin Contact: Prolonged or repeated contact may cause skin irritation.

SECTION 4: FIRST AID MEASURES

Inhalation: Get medical attention if cough or other symptoms develop. Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen.

Eye Contact: Flush eyes gently with a large amount of water for at least 15 minutes. If symptoms exist and/or persist, get medical attention.

Skin Contact: Wash affected skin areas thoroughly with soap and water. Remove contaminated clothing. If skin irritation persists, see a physician.

Ingestion: Seek medical attention. Do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

Hazardous Combustion Products: Oxides of carbon.

Extinguishing Agents: Use the following extinguishing media when fighting fires involving this material: carbon dioxide, dry chemical, and water spray.

Personal Protective Equipment: Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

FIRE AND EXPLOSIVE PROPERTIES:

Flash Point (°C): Will not flash.

Auto-Ignition Temperature (°C): NA

Lower Explosive Limit (°C): NA

Upper Explosive Limit (°C): NA

SECTION 6: ACCIDENTAL SPILL OR LEAK RELEASE INFORMATION

Environmental Precautions: Prevent spreading over a wide area by containment barrier. Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods for Cleaning Up: Contain spillage, and then collect with non-combustible absorbent material (earth, sand, diatomaceous earth, vermiculite) and place in container for disposal according to local and national regulations.

Other information: Comply with all applicable federal, state, and local regulations.

SECTION 7: HANDLING AND STORAGE

Storage Conditions: Store in a cool, well ventilated place. Keep containers dry. Keep from freezing or from heating above 110°F. Store in original container.

Handling Procedures: Do not get in eyes, skin or clothing. Take normal precautions to prevent prolonged skin contact

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: None required under normal conditions.

PERSONAL PROTECTIVE EQUIPMENT:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Wear resistant gloves (consult your safety equipment supplier).
Discard gloves that show tears, pinholes, or signs of wear.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Not required under normal conditions.

FACILITY CONTROL MEASURES:

Ventilation: Use normal local exhaust ventilation.

Other Protective Equipment: Facilities storing and utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

TYPICAL PHYSICAL PROPERTIES:

PROPERTY	Radiator Leak Sealer	UV Dye
Appearance:	Product in Plastic Container	Product in Plastic Container
Color:	Brownish	Yellow
State:	Liquid	Liquid
Odor Characteristics:	bland	odorless
Flashpoint (° C):	will not flash	will not flash

Viscosity, as Liquid (CP 20° C); [CP 68° F]:	400-650	No Data
Density (lb/gal@68°F):	8.3	8.3
Vapor Pressure (mm Hg @ 20° C); [psia]:	No Data	No Data
Melting Point (°C); [°F]:	No Data	No Data
Boiling Point (°C); [°F]:	100 [212]	100 [212]
Solubility in Water (% of weight)	100	100
Evaporation Rate (n-butyl acetate = 1.0):	0.1	0.1
pH (product or water extract)	8 - 9	8.6 - 11
VOC (% wt):	0	0
Molecular Weight (gr/mol); [lb/mol]	No Data	No Data

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide.

Hazardous Polymerization: Product will not undergo polymerization.

Incompatibility: Avoid contact with strong oxidizing and reducing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral toxicity

UV Dye (Concentrate) : LD 50 Rat: > 6721 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological Information: No hazards known.

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL:

Procedure: Dispose of this material in accordance with all applicable local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT Hazard Description

Proper Shipping Name: NA

Hazard Class: NA
Identification Number: NA
Packing Group: NA
Documentation Required: NA

International Shipment Hazard Description (Air/Vessel/Ground)

Proper Shipping Name: NA
Hazard Class: NA
Identification Number: NA
Packing Group: NA
Markings: NA
Documentation Required: NA

SECTION 15: REGULATORY INFORMATION

EPA Regulation:

SARA SECTION 355/370, and 372: This product does not contain any chemicals subject to reporting requirements of SARA 313.

All components of this product are on the TSCA list.

State Regulations: This product meets requirements of Southern California AQMD Rule 443.1 and Similar Regulations California Proposition 65: This product contains the following chemical known to the State of California to cause cancer: None.

SECTION 16: OTHER INFORMATION

All information, recommendations, and suggestions made by IDQ, Inc. ("Company") appearing herein concerning our product are based upon tests and data believed to be reliable. However, because of the variable characteristics of analytical procedures and samples, and the inability to control its customers' uses of the information and recommendations, or the related products or materials, Company makes NO WARRANTY, EXPRESS OR IMPLIED as to the accuracy of the information or recommendations or that such are fit for any general or specific purpose, whatsoever. Company shall have NO LIABILITY arising from the use by its customers or any third parties of the information and recommendations, and it shall be each customer's sole responsibility to determine the suitability for its own use of any information or recommendations provided by Company.