



# Material Safety Data Sheet

MSDS: 311C

## SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

**Company:**

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

**HAZARD RATING**

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

**SCALE**

**Product Description:** Automotive Multifunctional Additives

**Name:** 311C Vacuum Pack Stop Leak White  
(Standard package contains 2 oz)

**Product Code:** 311C

**MSDS Date:** 07-06-10

## SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

No.	Description	CAS Reg. No.	Units	Amount
1	Polyalkylene glycol monobutyl ether	Trade Secret	% vol	<75
2	Polypropylene glycol monobutyl ether	Trade Secret	% vol	<25
3	Additives	Trade Secret	% vol	< 2
4	Methylene Chloride	75-09-02	% vol	< 3
5	Cyclohexanone	108-94-1	% vol	< 1

## SECTION 3: HAZARDS INFORMATION

**Portals of Entry:** Inhalation, ingestion, eye contact, skin contact, and dermal absorption.

**Inhalation:** Inhalation under normal exposure should not cause problems; however if inhalation has resulted in symptoms, move patient to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if breathing has stopped. Get prompt medical attention.

**Eye Contact:** Liquid splashes may cause eye irritation. Vapors can cause eye irritation.

**Skin Contact:** Product can cause skin irritations, dermatitis, defatting of skin, adsorption of certain components in product, .

**Ingestion:** The liquid material at STP, if ingested, could cause nausea, gastrointestinal disturbances, headaches, drowsiness, vertigo, gastrointestinal disturbance, abdominal pain, and dizziness.

**Delayed Effects:** Prolonged and repeated overexposure can cause irritation of the respiratory tract and mucous membranes, central nervous system (CNS) effects, blood dysfunction, and kidney effects.

**HEALTH EFFECTS FROM OVEREXPOSURE:**

**Primary Routes of Exposure:** Skin and inhalation.

**SECTION 4: FIRST AID MEASURES**

**Inhalation:** Inhalation under normal exposure should not cause problems; however if inhalation has resulted in symptoms, move patient to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if breathing has stopped. Get prompt medical attention.

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

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

**Ingestion:** If swallowed, give large quantities of water to drink. Induce vomiting. Careful gastric lavage may be indicated. Immediately see a physician. Never give anything by mouth nor induce vomiting of an unconscious person.

**SECTION 5: FIRE FIGHTING MEASURES**

**Unusual Hazards:** Toxic fumes are generated when material is exposed to fire and fire conditions.

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

**Personal Protective Equipment:** Wear self-contained breathing apparatus and full protective gear.

**Special Precautions:** Use water spray to cool large containers exposed to fire. Vapors are denser than air and will have a tendency to accumulate in lower areas which can cause the vapors to concentrate and suffocate. The much reduced part of the product that is liquid at STP can be flammable. If the product's liquid portion is exposed to fire or an ignition source that results in flammability, extinguish with polar solvent foam, carbon dioxide, dry chemical, and water spray. The product is typically packaged in 2 oz cans, which aids in isolating product for flammability but creates problems if the pressurized cans are exposed to fire or excessive heat that could result in sudden can rupture.

**FIRE AND EXPLOSIVE PROPERTIES:**

<b>PROPERTY</b>	<b>PACKAGED PRODUCT</b>
Flash Point (°C); [°F]:	>94°C [201°F]
Auto-Ignition Temperature (°C):	>350
Lower Explosive Limit (ppm):	NA
Upper Explosive Limit (ppm):	NA

## SECTION 6: ACCIDENTAL SPILL OR LEAK RELEASE INFORMATION

**Personal Protection:** Appropriate protective equipment must be worn when handling a large spill of this material. See the PERSONAL PROTECTION MEASURES Section for recommendations. If exposed to material during clean-up operations, see the FIRST AID PROCEDURES Section for actions to follow.

**Procedures:** Evacuate the spill area. Floor may be slippery if non-volatile components in product have wetted the floor; use care to avoid falling. Ventilate the spill area. Avoid breathing vapor. Contain non-volatile material spills immediately with inert adsorption materials. Transfer liquids and solid adsorption materials and diking material to separate suitable containers for recovery or disposal.

**CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

## SECTION 7: HANDLING AND STORAGE

**Storage Conditions:** Store in a cool, well ventilated place. Keep containers dry. Store product away from reactive and corrosive materials. The minimum recommended storage temperature for this material is -29° C/ -20° F. The maximum storage temperature is 49° C/ 120° F.

**Handling Procedures:** Avoid causing and inhaling high concentrations of vapor. The vapor concentration levels in air need to be kept below occupational exposure limits and kept as low as practicable. Do not mix product with air or oxygen under pressure. Avoid exposure of product to flame or very hot surfaces. Vapors can be evolved when material is being used in processing operations. See FACILITY CONTROL MEASURES Section for types of ventilation required.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Respiratory Protection:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. If respiratory protection is needed, use, MSHA-NIOSH approved respirator for organic vapors. None required if airborne concentrations are maintained below the TWA/TLV's listed in the COMPONENT EXPOSURE INFORMATION Section.

Up to 10 times the TWA/TLV: Wear a half-mask, air purifying respirator.

Up to 1000 ppm organic vapor: Wear an approved full-face piece, air-purifying respirator.

Above 1000 ppm organic vapor or unknown: Wear an approved positive pressure mode or an approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions.

Air purifying respirators should be equipped with organic vapor cartridges.

**Eye Protection:** Use eye goggles and/or face shield.

**Hand Protection:** The gloves listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection: Polyvinyl alcohol and Viton.

Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

**Other Protection:** Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

**FACILITY CONTROL MEASURES:**

**Ventilation:** Use normal local exhaust ventilation with a minimum capture velocity of 100 ft/min (0.5 m/sec) at the point of vapor or dust evolution.

**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:**

<b>PROPERTY</b>	<b>METRIC UNITS</b>	<b>ENGLISH UNITS</b>
Appearance:	Product in Steel Container	Product in Steel Container
Color:	Yellowish	Yellowish
State:	Liquid under vacuum	Liquid under vacuum
Odor Characteristics:	Mild, Ethereal	Mild, Ethereal
Viscosity (Cks @ 40° C); [CP @ 104° F]:	84-106	84-106
Specific Gravity (d/do 20°C); [d/do 68°F]	1.035	1.035
Density (gr/cm <sup>3</sup> ); [lb/gal]	1.10	9.18
Vapor Density (Air = 1.0):	9	9
Vapor Pressure (mm Hg @ 20° C); [psia]:	<0.01	<0.0002
Melting Point (°C); [°F]:	No test data available	
Boiling Point 760 mmHg (°C); [°F]:	>200	>392
Solubility in Water (by weight):	96%	96%
Percent Volatility (% wt):	0	0

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Hazardous Decomposition Products:** Thermal decomposition may yield toxic decomposition products which include alkyl low molecular weight components, organic chlorides, COx, SOx, NOx, POx, hydrochloric acid, hydrofluoric acid, organic pyrolytic components, and phosgene.

**Hazardous Polymerization:** Product will not undergo polymerization.

**Incompatibility:** Avoid contact with strong oxidizing and reducing agents, fine particulate metals, magnesium and alloy containing more than 2 percent magnesium. Product can react under certain conditions with alkali or alkali earth metals such as sodium, potassium or barium and other Group IA and IIA of the Periodic Table of Elements.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**ACCIDENT PREVENTION INFORMATION:**

**COMPONENT EXPOSURE INFORMATION:**

Component Information:

No.	Description	CAS Reg. No.	Units	Max. Amount Amount
4	Methylene Chloride	75-09-02	% vol	3
5	Cyclohexanone	108-94-1	% vol	1

**Exposure Information for Specific Component:**

No.	Health Rating	Flam. Rating	Reactivity Rating	Component Units	OSHA		ACGIH			
					TWA	STEL	TWA	STEL	IDLH	HAP
4	2	0	1	ppm	75	150	50	75	5,000	Yes
5	2	2	1	ppm	50	75	25	75	5,000	No

NA: Not Available; ppm: parts per million

Note: 1 ppm equals 3.8 mg/m<sup>3</sup>; 5 ppm equals 19 mg/m<sup>3</sup>; 10 ppm equals 38 mg/m<sup>3</sup>; 100 ppm equals 380 mg/m<sup>3</sup>.

**SECTION 12: ECOLOGICAL INFORMATION**

**Persistence and Degradation:** Decomposes comparatively rapidly in the lower atmosphere (troposphere). Atmospheric lifetime is 15.6 years. Products of decomposition will be highly dispersed and hence will have a very low concentration. It is not a significant contributor to photochemical smog and is not considered to be a VOC. It is not considered as an ozone depleting chemical.

**SECTION 13: DISPOSAL INFORMATION**

**WASTE DISPOSAL:**

**Procedure:** For disposal, dispose this material at a facility that complies with local, state, and federal regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

**DOT:** NOT REGULATED

**IMDG:** NOT REGULATED

**ICAO/IATA:** NOT REGULATED

**SECTION 15: REGULATORY INFORMATION**

EPA Regulation:

SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification: This product contains the indicated "\*" toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS NO.	% WT.	REGULATION SECTION	RQ (LBS)
*Methylene Chloride	75-09-2	0.9	311, 312, 313, RCRA	1000
Cyclohexanone	108-94-1	1.0	311, 312, RCRA	5000

If > 1587 lbs of this product is in one container the Reportable Quantity "RQ" of Xylene(s) is exceeded. Based on the composition of SARA Title III ingredients and the RQs of ingredients, listed above, xylene(s) is the most restrictive of the product composition. Typically this product is packaged in 4 fl oz containers.

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: Methylene Chloride < 1%, Xylene(s), Ethyl benzene.

**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.