



Material Safety Data Sheet

MSDS: OE-1

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

Company: IDQ Operating, Inc. 2901 W Kingsley Rd. Garland, Texas 75041 Phone No.: 1-888-318-5454 CHEMTREC Phone No.: 1-800-424-9300	HAZARD RATING Health: 1 Fire: 3 Reactivity: 0 Special: --	SCALE 0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme
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Product Description: Odor Eliminator

Part Number: OE-1

MSDS Date: 6-22-2011

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

No.	Description	CAS Reg. No.	Units	Amount
1	2-Butoxyethanol, Glycol Ether EB	111-76-2	% weight	2
2	Sodium Metasilicate Pentahydrate	6834-92-0	% weight	1
3	Difluoroethane	75-37-6	% weight	4

Note: Ingredients not precisely identified are proprietary or not hazardous. No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

SECTION 3: HAZARDS INFORMATION

EMERGENCY OVERVIEW:

Appearance: white foam

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

Ingestion: Not a likely route of exposure. If swallowed, do not induce vomiting. Seek immediate medical advice and attention.

Inhalation: Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8).

Eye Contact: Can cause eye irritation. Potential symptoms include stinging, tearing, redness and swelling of eyes.

Skin Contact: Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of the skin. May cause allergic skin reaction.

HEALTH EFFECTS FROM OVEREXPOSURE:

Primary Routes of Exposure: Skin and inhalation. Unknown effects.

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 gently 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: Seek immediate medical attention. Do not induce vomiting. If possible, do not leave individual unattended.

SECTION 5: FIRE FIGHTING MEASURES

Unusual Hazards: Closed containers may explode from internal pressure build up when exposed to extreme heat and discharge contents. Liquid content of container will not support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

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

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

Special Precautions: Water spray may be ineffective. Water may be used to cool down containers to prevent explosions. If water is used, fog nozzles preferred.

FIRE AND EXPLOSIVE PROPERTIES:

Flash Point (°C): -50° C (-58° F)

Auto-Ignition Temperature (°C): No Data

Lower Flammable Limit (in air by volume): 1.1

Upper Flammable Limit (in air by volume): 16.9

SECTION 6: ACCIDENTAL SPILL OR LEAK RELEASE INFORMATION

Personal Protection: For personal protection see Section 8. Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Ensure adequate ventilation. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks).

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.

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. Do not store above 120 °F.

Handling Procedures: Do not puncture or incinerate cans. Do not stick pin, nail or any other sharp object into opening on top of can. Do not spray in eyes.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

Eyes: Use of safety glasses with splash guards or full face shield is recommended. Contact lenses should not be worn.

Protective Gloves: Impervious gloves required for prolonged or repeated contact. 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. Use of impervious aprons, boots, lab coat, or coveralls to prevent skin contact is recommended.

Respirators: Not required under normal use. Do not breathe vapors. If TLV is exceeded, wear NIOSH approved supplied-air, full face-piece respirator, air-lined hood, or self-contained breathing apparatus. Use with adequate ventilation, equal to out-of-doors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor.

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 evolution. Ventilation should be sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of hazardous ingredients below stated level.

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	UNITS
Appearance:	Product in Aerosol Container
Color:	White
State:	Liquid (Foam)
Odor Characteristics:	Fresh Detergent
Flashpoint (° C); [° F]:	-50° C (-58° F)
Boiling Range (° C); [° F]:	-25° – 169° C (-13° – 336° F)

Viscosity, as Liquid (CP 20° C); [CP 68° F]:	No Data
Specific Gravity (H ₂ O = 1)	0.98
Vapor Density (Air = 1.0):	No Data
Vapor Pressure (mm Hg @ 20° C); [psia]:	No Data
Solubility in Water (by volume):	100%
Evaporation Rate (n-butyl acetate = 1.0):	Unknown
Percent Volatility (% wt):	100

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.

Conditions to Avoid: Heat sources, flames and sparks. Storage above 120 °F.

SECTION 11: TOXICOLOGICAL INFORMATION

Long term toxicological studies have not been conducted for this product.

SECTION 12: ECOLOGICAL INFORMATION

Long term ecological studies have not been conducted for this product.

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 Ground Hazard Description:

Proper Shipping Name: CONSUMER COMMODITY

Hazard Class: ORM-D

Identification Number: NA

Packing Group: NA

Hazardous Substance (RQ): NA

IMDG Hazard Description:

Proper Shipping Name: AEROSOLS, FLAMMABLE

Hazard Class: 2.1

Identification Number: UN 1950

Packing Group: NA

Hazardous Substance (RQ): 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.