

Otis 085 Ultra Bore

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : Otis 085 Ultra Bore
 Manufacturer Product Number : O6038CT & O6040CT
 Supplier Product Numbers : RW-902-085

1.2 Other Means Of Identification

Other Identifiers : O6038CT - 2oz. 100/pk
 O6040CT - 2 oz. 32/pk
 O6040CT - 55 gallon

1.3 Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Recommended Use : Gun Lubricant
 Restrictions On Use : None Identified

1.4 Supplier Details

	Manufacturer Details	Supplier Details
Company Name	Chem-Pak Inc	Otis Technology, Inc.
Address	242 Corning Way, Martinsburg, WV 25405 - United States	1 Laura Street, Lyons Falls, NY 13368 - United States
Phone Number	304-262-1880	315-348-4300
Fax Number	302-262-9643	315-348-4332
Email	msds@chem-pak.com	
Website	http://www.chem-pak.com	

1.5 24 Hr Emergency Phone Number

Emergency Number : 800-255-3924 (Chem-Tel)

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification Of The Substance Or Mixture

Aspiration Hazard, Category 1 : May be fatal if swallowed and enters airways

2.2 Label Elements

Hazard Pictograms :



GHS08

Signal Word : Danger
 Hazard Statements : May be fatal if swallowed and enters airways.
 Precautionary Statements : If swallowed: Immediately call POISON CENTER. Do NOT induce vomiting. Store locked up. Dispose of contents/container to local regulations.

2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

2.4 Unknown Acute Toxicity

This product does not have any ingredients with an unknown acute toxicity.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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3.1 Substance

Not Applicable

3.2 Mixture

Ingredient	Cas Number	%	Classification*
Hydrotreated Light Naphthenic Distillate	64742-53-6	>= 60	Asp. Tox. 1, H304
2-Butoxyethanol	111-76-2	1 - 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315
Antimony Diamyldithiocarbamate	15890-25-2	0.1 - 1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:vapour), H332 Aquatic Chronic 2, H411

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4 - FIRST-AID MEASURES

4.1 Description Of First-Aid Measures

General Measures	: None Identified.
Eye Contact	: Rinse eyes with water as a precaution.
Skin Contact	: Wash skin with plenty of water.
Ingestion	: Call a poison center or a doctor if you feel unwell.
Inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-Aid Responder Protection	: Wear adequate personal protective equipment based on the nature and severity of the emergency.

4.2 Most Important Symptoms And Effects, Both Acute And Delayed

Eye Contact	: None under normal use.
Skin Contact	: None under normal use.
Ingestion	: None under normal use.
Inhalation	: None under normal use.

4.3 Indication Of Immediate Medical Attention And Special Treatment

Notes To Physician	: Treat symptomatically.
Specific Treatments/Antidotes	: No Information Available.
Immediate Medical Attention	: No Information Available.

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Extinguishing Media	: Water, carbon dioxide, dry chemical, universal aqueous film forming foam.
Unsuitable Media	: Water jet.

5.2 Specific Hazards Arising From The Chemical Or Mixture

Decomposition Products	: Decomposition products may include: oxides of carbon, smoke, vapors.
Hazards From The Product	: Not Applicable.

5.3 Special Protective Actions For Fire-Fighters

Protective Actions	: Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure.
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Protective Equipment

: Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment And Emergency Procedures

For Non-Emergency Personnel

: No action should be taken involving any personnel without suitable training. Keep unnecessary and unprotected personnel from entering.

For Emergency Responders

: Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

6.2 Environmental Precautions

Precautions

: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. Avoid release to the environment.

6.3 Methods And Materials For Containment And Cleaning Up

Containment Procedures

: Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.

Cleanup Procedures

: Soak up material with inert absorbent and place in safety containers for proper disposal.

Other Information

: Not Available.

Prohibited Materials

: Not Available.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions For Safe Handling

General Handling Precautions

: KEEP OUT OF THE REACH OF CHILDREN.

Hygiene Recommendations

: Do not eat, drink or smoke when using this product. Wash hands thoroughly after use.

7.2 Conditions For Safe Storage Including Any Incompatibilities

Storage Requirements

: Keep containers closed when not in use. Do not store in open or unlabelled containers.

Incompatibilities

: Segregate storage away from materials indicated in Section 10.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Hydrotreated Light Naphthenic Distillate (64742-53-6)

ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ Oil Mist
OSHA	OSHA PEL (TWA) (mg/m ³)	10 mg/m ³ Oil Mist
California	California PEL (TWA) (mg/m ³)	5 mg/m ³

Antimony Diamyldithiocarbamate (15890-25-2)

ACGIH	ACGIH TWA (mg/m ³)	0.5 mg/m ³ (as Sb)
OSHA	OSHA PEL (TWA) (mg/m ³)	0.5 mg/m ³ (as Sb)
NIOSH	NIOSH REL (TWA) (mg/m ³)	0.5 mg/m ³ (as Sb)
California	California PEL (TWA) (mg/m ³)	0.5 mg/m ³

2-Butoxyethanol (111-76-2)

ACGIH	ACGIH TWA (ppm)	20 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	240 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	50 ppm
NIOSH	US IDLH (ppm)	700 ppm
NIOSH	NIOSH REL (TWA) (ppm)	5 ppm
California	California PEL (TWA) (mg/m ³)	97 mg/m ³
California	California PEL (TWA) (ppm)	20 ppm

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2-Butoxyethanol (111-76-2)

BEI	Butoxyacetic Acid (BAA) in Urine, End of shift	200 mg/g creatinine
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8.2 Exposure Controls

Engineering Measures	: Use only with adequate ventilation.
Respiratory Protection	: Respiratory protection is not anticipated to be needed.
Skin Protection	: For brief contact, no precautions other than clean body-covering clothing should be needed.
Eye/Face Protection	: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling.
Other Protective Equipment	: Not Applicable.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Boiling Point	> 260.00 °C	Melting / Freezing Point	Not Available
Flash Point, Liquid	> 244.00 °C		
Explosive Limits	Not Available	Autoignition Temperature, Liquid	> 315.00 °C
Flammability	Non-Flammable Liquid	Density	0.868 g/cm ³
Molecular Weight	Not Available	Weight	7.243 lbs/gal
Vapor Pressure	< 0.01 kPa	pH	Not Available
Vapor Density	Not Available	Evaporation Rate (nBAC=1)	Not Available
Viscosity	Not Available	Partition Coefficient	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical Form	Liquid	Heat Of Combustion	Not Available
Odor	Mild	Water Solubility	Not Available
Appearance / Color	Clear Yellow to Amber	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	2.27 % wt	VOC Regulatory	26.07 g/L (0.22 lbs/gal)
Percent VOC	2.27 % wt	VOC Actual	19.70 g/L (0.16 lbs/gal)
Percent HAP	0.00 % wt	HAP Content	0.00 g/L (0.00 lbs/gal)
Global Warming Potential	0.00 GWP	Maximum Incremental Reactivity	0.0700 g O3/g
Ozone Depletion Potential	0.00 ODP		

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity	: No specific test data related to reactivity is available for this products or its ingredients.
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10.2 Chemical Stability

Stability	: This product is stable.
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10.3 Possibility Of Hazardous Reactions

Reactions	: Under normal conditions of storage and use, hazardous reactions are not expected to occur.
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10.4 Conditions To Avoid

Conditions	: None identified.
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10.5 Incompatible Materials

Incompatibilities	: Strong Oxidizing Agents, Bases.
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10.6 Hazardous Decomposition Products

Products : None identified.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1.1 Information On Toxicological Effects

Hydrotreated Light Naphthenic Distillate (64742-53-6)

LD50 Oral (Rat)	> 5000 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	> 2000 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	2180 ml/m ³ (RTECS)

Antimony Diamyldithiocarbamate (15890-25-2)

LD50 Oral (Rat)	> 16400 mg/kg (RTECS)
LD50 Dermal (Rabbit)	> 16000 mg/kg (RTECS)

2-Butoxyethanol (111-76-2)

LD50 Oral (Rat)	917 mg/kg (RTECS)
LD50 Dermal (Rabbit)	1060 mg/kg (Sigma-Aldrich)
LC50 Inhalation (Rat)	3380 mg/m ³ (RTECS)
LC50 Inhalation (Rat)	925 ppm/4h (ChemInfo)

11.1.2 Health Hazard Classification

Skin Corrosion/Irritation	: Not classified
Eye Damage/Irritation	: Not classified
Respiratory Or Skin Sensitization	: Not classified
Germ Cell Mutagenicity	: Not classified
Reproductive Toxicity	: Not classified
Stot-Single Exposure	: Not classified
Stot-Repeated Exposure	: Not classified
Aspiration Hazard	: May be fatal if swallowed and enters airways.
Carcinogen Data	: None of the ingredients in the product are listed with OSHA, IARC, NTP or ACGIH as being a suspected or known carcinogen in a concentration greater than 0.1% by weight.

11.1.3 Information On The Likely Routes Of Exposure

Routes Of Exposure : Eye Contact, Ingestion, Skin Contact, Inhalation, Skin Absorption.

11.1.4 Symptoms Related To The Physical, Chemical And Toxicological Characteristics

Symptoms of Exposure : None identified.

11.1.5 Delayed And Immediate Effects And Also Chronic Effects From Short And Long Term Exposure

Delayed Effects	: No known delayed effects.
Immediate Effects	: No known immediate effects.
Chronic Effects	: No chronic effects identified.
Target Organs	: None identified.
Medical Conditions Aggravated	: None identified.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hydrotreated Light Naphthenic Distillate (64742-53-6)

LC50 fish 1	> 5000 mg/l Rainbow Trout - 96hr
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Hydrotreated Light Naphthenic Distillate (64742-53-6)

EC50 Daphnia 1	> 1000 mg/l Water Flea - 48hr
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2-Butoxyethanol (111-76-2)

LC50 fish 1	1490 mg/l Bluegill Sunfish - 96h
LC50 fish 2	1474 mg/l Rainbow Trout - 96hr
EC50 Daphnia 1	1698 - 1940 mg/l Water Flea - 24hr
EC50 other aquatic organisms 1	1840 mg/l Green Algae - 72hr

12.2 Ecological Properties

Hydrotreated Light Naphthenic Distillate (64742-53-6)

Persistence and degradability	Biodegradability in water: no data available.
Log Pow	> 6.5
Bioaccumulative potential	No bioaccumulation data available.

2-Butoxyethanol (111-76-2)

Persistence and degradability	Biodegradability >90% / 28 days.
Biochemical oxygen demand (BOD)	0.71 g O ₂ /g substance
Chemical oxygen demand (COD)	2.20 g O ₂ /g substance
ThOD	2.305 g O ₂ /g substance
BOD (% of ThOD)	0.31
Log Pow	0.81 (Experimental value; BASF test; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal

: Although this product is non-hazardous, contamination from a variety of means is possible. Waste stream classification can change with product use and location. . It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

Waste Disposal Of Packaging

: Consult with your local landfill to determine if empty small containers can be disposed of along with regular trash pickup. For disposal of large containers (typically 10 gallons or larger), or for containers not suitable for landfill, a licensed reconditioner should be used.

Landfill Precautions

: Not Available.

Incineration Precautions

: Not Available.

SECTION 14 - TRANSPORTATION INFORMATION

Transportation Information	Ground Transportation (DOT)	Air Transportation (IATA)	Ocean Transportation (IMDG)
Non-Regulated Material			

SECTION 15 - REGULATORY INFORMATION

15.1 Federal Regulations

TSCA Inventory

: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

SARA 313 Reporting

: This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Applicable Federal Regulations

: One or more ingredients are regulated by other Federal Regulations.

Antimony Diamyldithiocarbamate (15890-25-2)

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard.
SARA Section 313 - Emission Reporting	100 %

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2-Butoxyethanol (111-76-2)

SARA Section 311/312 Hazard Classes

Delayed (chronic) health hazard, Fire hazard, Immediate (acute) health hazard.

15.2 State Regulations

California Proposition 65

: This product does not contain any substance known to the State of California to cause cancer, developmental and/or reproductive harm.

State Right-to-Know Lists

: The following ingredients appear on one or more state Right-to-Know lists.

Antimony Diamyldithiocarbamate (15890-25-2)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

2-Butoxyethanol (111-76-2)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

SECTION 16 - OTHER INFORMATION

SDS Compliance

: This SDS complies with the below listed regulations only. For SDS that comply with other countries, please contact our Regulatory Department at msds@chem-pak.com.

OSHA Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200

Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Revision 3

Disclaimer Of Liability

: The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist

Full text of H-statements

H Code	H Phrase
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H411	Toxic to aquatic life with long lasting effects