

SECTION 1 - IDENTIFICATION

Product Identifier

Product Number(s) *O6038CT & O6040CT*
 Product Name *Otis 085 Ultra Bore*

Other Means of Identification *None*

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses *Gun Lubricant*
 Restrictions On Use *None identified*

24 hr Emergency
Phone Number

800-424-9300

(Chem-Trek)

Manufacturer Details		Supplier Details	
Manufacturer Name	<i>Otis Technology, Inc.</i>	Supplier Name	<i>Otis Technology, Inc.</i>
Address	<i>6987 Laura Street/PO Box 582 Lyons Falls NY 13368</i>	Address	<i>6987 Laura Street/PO Box 582 Lyons Falls NY 13368</i>
Phone Number	<i>315-348-4300</i>	Phone Number	<i>315-348-4300</i>
Fax Number	<i>315-348-4332</i>	Fax Number	<i>315-348-4332</i>

SECTION 2 - HAZARDS IDENTIFICATION

GHS/CLP (1272/2008) Classification of the Substance or Mixture

HEALTH HAZARDS				PHYSICAL HAZARDS					
Acute Tox. Oral	4	Mutagenicity	<input type="checkbox"/>	Unstable Explosive	<input type="checkbox"/>	Refrigerated Liq. Gas	<input type="checkbox"/>	Pyrophoric Solid	<input type="checkbox"/>
Acute Tox. Skin	4	Carcinogenicity	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Flammable Liquid	<input type="checkbox"/>	Emits Flammable Gas	<input type="checkbox"/>
Acute Tox. Inhalation	4	Tox. to Reproduction	<input type="checkbox"/>	Flammable Gas	<input type="checkbox"/>	Flammable Solid	<input type="checkbox"/>	Oxidizing Liquid	<input type="checkbox"/>
Skin Irritation	2	STOT SE	<input type="checkbox"/>	Aerosol	<input type="checkbox"/>	Self-Reactive Sub.	<input type="checkbox"/>	Oxidizing Solid	<input type="checkbox"/>
Eye Irritation	2A	STOT RE	<input type="checkbox"/>	Oxidizing Gas	<input type="checkbox"/>	Pyrophoric Liquid	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>
Resp. Sensitization	<input type="checkbox"/>	Aspiration Hazard	<input type="checkbox"/>	Gas Under Pressure	<input type="checkbox"/>	Self-Heating Substance	<input type="checkbox"/>	Corrosive to Metal	<input type="checkbox"/>
Skin Sensitization	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	ENVIRONMENTAL HAZARDS			<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>	Aquatic Acute	<input type="checkbox"/>	Aquatic Chronic	<input type="checkbox"/>	Ozone Depleting	<input type="checkbox"/>

GHS/CLP (1272/2008) Label Elements

Hazard Pictograms



Signal Word

Warning!

Hazard Statements

Causes skin irritation. Causes serious eye irritation. Harmful if swallowed, in contact with skin or if inhaled.

Precautionary Statements

General

Keep out of reach of children.

NFPA / HMIS Classification

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

Prevention	Do not handle until all safety precautions have been read and understood. Do not spray on an open flame or other ignition source. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
Storage	None
Disposal	Dispose of contents/container in accordance with local regulations.

Other Hazards Which Do Not Result In Classification

Hazards None known

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	EC NUMBER	INDEX NUMBER	% WT RANGE
1	Severly Hydrotreated Light Naphthenic Distillate	0064742-53-6	265-155-0	–	60 - 100
2	Phosphonic Acid Polymer	0141808-04-0	Not Listed	–	1 - 5
3	Butyl Cellosolve	0000111-76-2	203-905-0	603-014-00-0	1 - 5

SECTION 4 - FIRST-AID MEASURES

Description of First-Aid Measures

Eye Contact	Flush eyes with water.
Skin Contact	Remove with soap and water.
Ingestion	Do not induce vomiting! Drink plenty of water. Contact a physician if irritation develops.
Inhalation	Remove to fresh air.
First-Aid Responder Protection	Wear adequate personal protective equipment based on the nature and severity of the emergency.

Most Important Symptoms and Effects, Both Acute and Delayed

Eye Contact	Liquid contact may cause pain along with moderate eye irritation.
Skin Contact	Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.
Ingestion	May cause irritation laxative effect.
Inhalation	At room temperature, exposure to vapour is minimal due to low volatility. Single exposure is not anticipated to be hazardous.

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

Suitable Extinguishing Media

Extinguishing Media	Product is non-flammable. Use extinguishing media suitable for surrounding materials.
Unsuitable Media	Avoid extinguishing media unsuitable for surrounding materials.

Specific Hazards Arising from the Chemical or Mixture

- Decomposition Products** *Decomposition products may include oxides of carbon (CO, CO₂), smoke, and/or vapors.*
- Hazards from the Product** *Contents non-flammable. In a fire or if heated, a pressure increase will occur which may result in container bursting.*
- Mechanical Impact Sensitivity** *Not sensitive.*
- Static Discharge Sensitivity** *Not sensitive.*

Special Protection Actions for Fire-Fighters

- Protective Actions** *Use water spray to cool fire exposed containers, as contents may rupture from heat developed pressure.*
- Protective Equipment** *Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.*

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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.*

Environmental Precautions

- Precautions** *Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.*

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

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.*

Conditions for Safe Storage Including And 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

Control Parameters

Occupational Exposure Limits

ID	CANADA					GERMANY MAK	JAPAN OEL	MEXICO MPEL-PTA	UK WEL	UNITED STATES			
	AUSTRALIA TWA	ALBERTA OEL	BC TWA	ONTARIO TWA/EV	QUEBEC TWA					OSHA PEL	NIOSH REL	NIOSH IDLH	ACGIH TLV
1	10 mg/m ³	5 mg/m ³	1 mg/m ³	5 mg/m ³	5 mg/m ³	–	3 mg/m ³	–	–	10 mg/m ³	–	–	–
3	20 ppm	25 ppm	20 ppm	20 ppm	20 ppm	20 ppm	–	25 ppm	25 ppm	50 ppm	5 ppm	700 ppm	20 ppm

Biological Exposure Indices

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
3	Butoxyacetic acid (BAA) in urine	End of shift	200 mg/g creatinine	–

Other Control Parameters *Not available.*

Appropriate Engineering Control

Engineering Measures *Use only with adequate ventilation.*

Individual Protection Measures

Hygiene Considerations *No special precautions necessary beyond normal good hygiene practices. Keep out the reach of children. Wash hands after use.*

Thermal Hazards *This product does not present a thermal hazard.*

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

Boiling Point	>260.0 °C (500.0 °F)	Melting / Freezing Point	Not Available
Flash Point, Liquid	>244.0 °C (471.2 °F)	Autoignition Temperature, Liquid	>315.0 °C (599.0 °F)
Explosive Limits	Non-Flammable	Relative Density (H2O = 1)	0.874 g/cc
Flammability	Class IIIA Liquid	Weight	7.292 lbs/gal
Molecular Weight	Not Available	pH	Not Available
Vapor Pressure	<0.013 kPa (0.1 MM Hg) at 20 C	Evaporation Rate	Not Available
Vapor Density	>5 at 101 kPa	Partition Coefficient	Not Available
Form	Liquid	Refractive Index	Not Available
Viscosity	120 cSt	Heat of Combustion	Not Available
Odor Threshold	Not Available	Water Solubility	Not Available
Odor	Mild	Decomposition Temperature	Not Available
Appearance / Color	Clear yellow to amber	VOC Content	0.22 lbs/gal (26.259 g/L)
Percent Volatile	4% Wt (3% Vol) Max	HAP Content	None
Percent VOC	4% Wt (3% Vol) Max	Maximum Incremental Reactivity	0.076 g O3/g
Solids/Non Volatile Content	97% Wt (98% Vol) Max		

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	<i>No specific test data related to reactivity is available for this product or its ingredients.</i>
Chemical Stability	<i>This product is stable.</i>
Hazardous Reactions	<i>Under normal conditions of storage and use, hazardous reactions are not expected to occur.</i>
Conditions to Avoid	<i>Keep away from heat, sparks, flame, and red hot metal.</i>
Material Incompatibility	<i>Bases, Perchloric And Permonosulfuric Acids, Strong Oxidizing Agents</i>
Decomposition Products	<i>Oxides of Carbon, Peroxides may be formed depending on fire conditions.</i>

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity

ID	ORAL LD50		DERMAL LD50		INHALATION LC50		
	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES
1	>2000 mg/kg	rat	>2000 mg/kg	rabbit	5 mg/L	4h	rat
2	>2000 mg/kg	rat	—	—	—	—	—
3	470 mg/kg	rat	220 mg/kg	rabbit	2211 mg/m3	4h	rat

Skin Corrosion/Irritation	Butyl Cellosolve causes skin irritation.
Eye Damage/Irritation	Butyl Cellosolve causes serious eye irritation.
Respiratory Irritation	None of the ingredients are known to cause respiratory irritation.
Respiratory or Skin Sensitization	None of the ingredients are known to cause sensitization.
Germ Cell Mutagenicity	None of the ingredients are known or suspected of causing genetic defects.
Carcinogen Data	None of the ingredients are known or suspected carcinogens.
Reproductive Toxicity	None of the ingredients are known to cause reproductive harm.
STOT-Single Exposure	None of the ingredients are known to cause specific target organ effects from a single exposure.
STOT-Repeated Exposure	None of the ingredients are known to cause specific target organ effects through prolonged or repeated exposure.
Aspiration Hazard	None of the ingredients are known to be an aspiration hazard.

Information on the Likely Routes of Exposure

Routes of Exposure Skin contact, skin absorption, eye contact, inhalation.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Symptoms of Exposure No known symptoms.

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 known chronic effects.
Medical Conditions Aggravated	Not applicable.
Target Organs	Bladder, Blood, Central Nervous System, Eyes, Liver, Lymphoid System, Respiratory System, Skin

Interactive Effects

Synergistic Effects No known synergistic effects.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity

ID	FISH			INVERTEBRATES			AQUATIC PLANTS			MICROORGANISMS		
	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD
3	LC50	1490 mg/L	96h	EC50	1720 mg/L	24h	LOEC	900 mg/L	7d	EC5	911 mg/L	48h

Ecological Data

ID	PERSISTENCE AND DEGRADABILITY				BIOACCUMULATIVE POTENTIAL		MOBILITY
	PERSISTENCE	BOD	COD	ThOD	Pow / Kow	BCF	Koc
1	–	–	–	–	3.9 log Pow	–	–
2	–	–	–	–	1.9 log Kow	–	–

Other Adverse Effects No additional information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

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 material 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 gallon 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

	UNITED STATES DOT	INTERNATIONAL AIR ICAO/IATA	INTERNATIONAL OCEAN IMDG	UNITED NATIONS ADR	CANADA TDG
ID Number	Non-Regulated Material				

Additional Shipping Details Not available.

SECTION 15 - REGULATORY INFORMATION

United States - Federal Regulations

ID	TSCA LISTED	SARA 302 EHS TPQ	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	SARA 311/312 ACUTE	CHRONIC	PRESSURE	CLEAN AIR ACT HAP	CLEAN AIR ACT SOCMI	CLEAN WATER ACT
1	Yes	-	-	-	-	-	-	-	-	-	-	-	-
2	Yes	-	-	-	-	-	-	-	-	-	-	-	-
3	Yes	-	-	-	-	-	-	Yes	-	-	-	-	-

United States - State Regulations

ID	CA P-65	DE RQ	MA RTK CODES	ME TYPE	ME RQ	RTK	MN AIR	WATER	NJ RTK	NY AIR	NY LAND	NY ACUTE	PA LISTED	WA PEL TWA	WI TABLE	WV TAP
1	-	-	1 *E*C*	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	2,4,6 F8	-	-	AO	-	-	-	-	-	-	Yes	25 ppm	A	-

Canadian Regulations

ID	WHMIS CATEGORIES										CHEMICAL LISTS		
	A	B	C	D1A	D1B	D2A	D2B	D3	E	F	DSL	NDSL	NPRI
1	-	-	-	-	-	-	-	-	-	-	Yes	-	-
2	-	-	-	-	-	-	-	-	-	-	Yes	-	-
3	-	B3	-	-	-	-	X	-	-	-	Yes	-	1A, 5

CPR Notice

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Classification

D2B

WHMIS Symbols



European Union Regulations

ID	1907/2006 SVHC	1999/45/EC or 67/548/EEC CLASSIFICATION	HAZARD CODES	1272/2008 CLP PICTOGRAM CODES	SUPPL. CODES
	3	-	Xn	H332, H312, H302, H319, H315	GHS07, Wng

Classification According to EU Directive 1999/45/EC or 67/548/EEC (see Section 16 for full text)

Pictograms



Risk Phrases

20/21/22-36/38

Safety Phrases

2-46

International Regulations

Chemical Weapons Convention

None of the ingredients are listed on the convention's schedules.

SECTION 16 - OTHER INFORMATION

Full Text of EU Phrases and Precautionary Statements

CODE	HAZARD STATEMENTS
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.

CODE	SUPPLEMENTAL HAZARDS
-	-

CODE	PRECAUTIONARY STATEMENTS
P102	Keep out of reach of children.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

CODE	RISK PHRASES
R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 36/38	Irritating to eyes and skin.

CODE	SAFETY PHRASES
S 2	Keep out of reach of children.
S 46	If swallowed, seek medical advice immediately & show container/label.

SDS Revision History

Revision 1, 04/06/2007, Original
 Revision 2, 04/03/2013, Updated to GHS Version 4 Format.
 Revision 3, 02/11/2014, General update.
 Revision 4, 05/01/2014, Added product # O6038CT and changed name from OtisLube #6039.
 Revision 5, 07/23/2014, Updated Viscosity under Section 9.

Disclaimer of Liability

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References and Sources

CAMEO Database of Hazardous Materials (<http://cameochemicals.noaa.gov>)
 CHEMpendium Database (<http://ccinfoweb.ccohs.ca/chempendium/search.html>)
 ChemSpider Chemical Database (<http://chemspider.com>)
 European Chemical Substances Information System (<http://esis.jrc.ec.europa.eu>)
 European Chemicals Agency (<http://echa.europa.eu>)
 International Chemical Safety Cards (<http://www.cdc.gov/niosh/ipcs/ipccard.html>)
 IUCLID Chemical Data Sheets Information System (<http://esis.jrc.ec.europa.eu/index.php?PGM=dat>)
 Merck Chemical Database (<http://www.merckmillipore.co.uk/chemicals>)
 NIOSH Pocket Guide to Chemical Hazards (<http://www.cdc.gov/niosh/hpg/>)
 Right to Know Hazardous Substance Fact Sheets (<http://web.doh.state.nj.us/rtkhsfs/indexfs.aspx>)
 RTECS Database (<http://ccinfoweb.ccohs.ca/rtecs/search.html>)
 SOLV-DB, Solvent Database (<http://solvdb.ncms.org/solvdb.htm>)
 Toxic Substances Portal (<http://www.atsdr.cdc.gov/toxprofiles/index.asp>)
 TOXNet (<http://toxnet.nlm.nih.gov>)

Abbreviations Used

ACGIH	American Conference of Industrial Hygienists	EC	European Community
ADR	European Agreement ... International Carriage of Dangerous Goods by Road	EC50	Effective Concentration 50%
BCF	Bioconcentration Factor	EHA	Extremely Hazardous Substance
BEI	Biological Exposure Index	EPA	Environmental Protection Agency (USA)
BOD	Biochemical Oxygen Demand	g/cc	Grams per Cubic Centimeter
CA	California	GHS	Globally Harmonized System
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (USA)	HAP	Hazardous Air Pollutant
CFR	Code of Federal Regulations (USA)	IARC	International Agency for Research on Cancer
CLP	Classification, Labeling and Packaging of Substances (Europe)	IATA	International Air Transportation Association
COD	Chemical Oxygen Demand	IC50	Half Maximal Inhibitory Concentration
CPR	Controlled Products Regulations (Canada)	ICAO	International Civil Aviation Organization
DE	Delaware	IDLH	Immediately Dangerous to Life and Health
DOT	Department of Transportation (USA)	IMDG	International Maritime Dangerous Goods
DSL	Domestic Substance List (Canada)	Kow	Octanol-Water Partition Coefficient
		lbs/gal	Pounds per Gallon

LC50	Lethal Concentration 50%
LD50	Lethal Dosage 50%
MA	Massachusetts
MAK	Maximale Arbeitsplatz Konzentration (Maximum Workplace Concentration)
Max	Maximum
mg/L	Milligrams per Litre
mg/m ³	Milligrams per Cubic Meter
MN	Minnesota
MPEL-PTA	Maximum Permissible Exposure Limit on Pondered Time Average
NDSL	Non-Domestic Substance List (Canada)
NIOSH	National Institute for Occupational Safety and Health (USA)
NJ	New Jersey
NOEC	No Observed Effect Concentration
NPRI	National Pollutant Release Inventory (Canada)
NTP	National Toxicity Program (USA)
NY	New York
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration (USA)
P-65	Proposition 65 (USA)
PA	Pennsylvania
Pow	Octanol-Water Partition Coefficient
ppm	Parts per Million
psig	Pounds per Square Inch Gage
RCRA	Resource Conservation and Recovery Act (USA)
REL	Recommended Exposure Limit
RQ	Reportable Quantity
RTK	Right to Know
SARA	Superfund Amendments and Reauthorization Act (USA)
SDS	Safety Data Sheet
SOCMI	Synthetic Organic Chemical Manufacturing Industry (USA)
STOT-RE	Suspected Target Organ Toxin, Repeat Exposure
STOT-SE	Suspected Target Organ Toxin, Single Exposure
SVHC	Substance of Very High Concern
TAP	Toxic Air Pollutant
TDG	Transportation of Dangerous Goods (Canada)
ThOD	Theoretical Oxygen Demand
TLV	Threshold Limit Value
TPQ	Threshold Planning Quantity
TSCA	Toxic Substances Control Act (USA)
TWA	Time Weighted Average
TWAEV	Time Weighted Average Exposure Value
VOC	Volatile Organic Compound
WA	Washington
WEL	Workplace Exposure Limit
WHMIS	Workplace Hazardous Materials Information System (Canada)
WI	Wisconsin
WV	West Virginia