SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: Castle[®] Big 5™

PRODUCT TYPE: Silicone Lubricant PRODUCT CODE: C2004

MANUFACTURED FOR: Castle Products, Inc. 424 St. Paul Street Rochester, NY 14605 (800) 876-0222 EMERGENCY (585) 275-3232

SECTION 2 HAZARDS IDENTIFICATION

Physical hazards	Flammable aerosols	Category 1
Health hazards	Skin corrosion/irritation	Category 2
	Reproductive toxicity (the unborn child)	Category 2
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 2
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label elements		
Signal word	Danger	
Hazard statement		swallowed and enters airways. Causes skin irritation. ed of damaging the unborn child. May cause damage osure.
Precautionary statement		
Prevention	and understood. Keep away from heat/sparks, spray on an open flame or other ignition source even after use. Do not breathe mist or vapor.	handle until all safety precautions have been read /open flames/hot surfaces No smoking. Do not ee. Pressurized container: Do not pierce or burn, Wash thoroughly after handling. Use only outdoors he environment. Wear protective gloves/protective
Response	inhaled: Remove person to fresh air and keep Get medical advice/attention. Call a poison ce	/doctor. If on skin: Wash with plenty of water. If comfortable for breathing. If exposed or concerned: enter/doctor if you feel unwell. Specific treatment in irritation occurs: Get medical advice/attention. ore reuse. Collect spillage.
Storage	Store in a well-ventilated place. Keep containe sunlight. Do not expose to temperatures exceed	
Disposal	Dispose of contents/container in accordance v	with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.	
Supplemental information	None.	

SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Heptane, branched, cyclic and linear		426260-76-6	20 - 40
Isobutane		75-28-5	20 - 40
n-Heptane		142-82-5	20 - 40
Propane		74-98-6	20 - 40
Naphtha (petroleum), Hydrotreated Heavy		64742-48-9	1 - 2.5
Toluene		108-88-3	1 - 2.5
Other components below reportable levels	3		10 - 20

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

	SECTION 4 FIRST AID MEASURES	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.	
Skin contact	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.	
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.	
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.	
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.	
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.	
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.	
	SECTION 5 FIRE FIGHTING MEASURES	
Suitable extinguishing media	Powder. Foam. Carbon dioxide (CO2).	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame.	
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.	
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.	
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.	
General fire hazards	Extremely flammable aerosol.	
SECTION 6 ACCIDENTAL RELEASE MEASURES		
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.	

Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers.
Environmental precautions	remove residual contamination. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
	SECTION 7 HANDLING AND STORAGE
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Level 3 Aerosol. Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	
n-Heptane (CAS 142-82-5)	PEL	2000 mg/m3	
		500 ppm	
Propane (CAS 74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
US. OSHA Table Z-2 (29 CFR 1910.	.1000)		
Components	Туре	Value	
Toluene (CAS 108-88-3)	Ceiling	300 ppm	
	TWA	200 ppm	
US. ACGIH Threshold Limit Values			
Components	Туре	Value	
Isobutane (CAS 75-28-5)	STEL	1000 ppm	
n-Heptane (CAS 142-82-5)	STEL	500 ppm	
	TWA	400 ppm	
Toluene (CAS 108-88-3)	TWA	20 ppm	
US. NIOSH: Pocket Guide to Chemi	cal Hazards		
Components	Туре	Value	
Isobutane (CAS 75-28-5)	TWA	1900 mg/m3	
		800 ppm	
n-Heptane (CAS 142-82-5)	Ceiling	1800 mg/m3	
		440 ppm	
	TWA	350 mg/m3	
		85 ppm	
Propane (CAS 74-98-6)	TWA	1800 mg/m3	
		1000 ppm	

US. NIOSH: Pocket Guide	to Chemical Hazards			
Components	Туре		Val	ue
Toluene (CAS 108-88-3)	STEL	_	560) mg/m3
) ppm
	TWA			5 mg/m3
			100) ppm
ological limit values				
ACGIH Biological Exposure Components		Determinent	Specimon	Sampling Time
·	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*
* - For sampling details, ple	ease see the source doc	ument.		
posure guidelines				
US - California OELs: Skin	designation			
Toluene (CAS 108-88-			e absorbed throug	gh the skin.
US - Minnesota Haz Subs:	• •			
Toluene (CAS 108-88-	,		esignation applies	
opropriate engineering ontrols	should be matched or other engineering exposure limits hav	to conditions. If ap g controls to mainta e not been establis	plicable, use proc ain airborne levels shed, maintain air	our) should be used. Ventilation rates cess enclosures, local exhaust ventilation, s below recommended exposure limits. If borne levels to an acceptable level. Eye e when handling this product.
dividual protection measures,	such as personal protect	ctive equipment		
Eye/face protection	Chemical respirator	with organic vapo	r cartridge and fu	Il facepiece.
Hand protection	Wear appropriate cl	hemical resistant g	loves.	
Skin protection				
Other	Wear appropriate cl	hemical resistant c	lothing. Use of ar	n impervious apron is recommended.
Skin protection				
Respiratory protection	Chemical respirator	with organic vapo	r cartridge and fu	Il facepiece.
Thermal hazards	Wear appropriate th	nermal protective c	lothing, when neo	cessary.
eneral hygiene nsiderations		ndling the material	and before eatin	e good personal hygiene measures, such g, drinking, and/or smoking. Routinely e contaminants.
	SECTION 9 PH	YSICAL and CH		

Appearance	
Physical state	Liquid.
Form	Aerosol.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	103.03 °F (39.46 °C) estimated
Flash point	-229.0 °F (-145.0 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explos	ive limits

Flammability limit - lower Not available.

(%)

Flammability limit - upper (%)	Not available.		
Explosive limit - lower (%)	Not available.		
Explosive limit - upper (%)	Not available.		
Vapor pressure	Not available.		
Vapor density	Not available.		
Relative density	Not available.		
Solubility(ies)			
Solubility (water)	Not available.		
Partition coefficient (n-octanol/water)	Not available.		
Auto-ignition temperature	Not available.		
Decomposition temperature	Not available.		
√iscosity	Not available.		
Other information			
Flammability class	Flammable IB estimated		
Heat of combustion (NFPA 30B)	Flammable IB estimated 30.74 kJ/g estimated		
Percent volatile	42.9 % estimated		
Specific gravity	0.429 estimated		
VOC (Weight %)	38.66 % estimated		
		nd REACTIVITY DATA	
Reactivity		ive under normal conditions of use, storage and transport.	
Chemical stability	Material is stable under normal con		
Possibility of hazardous eactions	Hazardous polymerization does not		
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.		
ncompatible materials	Strong oxidizing agents. Nitrates. Fluorine.		
Hazardous decomposition products	No hazardous decomposition produ	cts are known.	
	SECTION 11 TOXICOLOG	GICAL INFORMATION	
nformation on likely routes of exp	oosure		
Ingestion	Droplets of the product aspirated in chemical pneumonia.	to the lungs through ingestion or vomiting may cause a serious	
Inhalation	May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.		
Skin contact	Causes skin irritation.		
Eye contact	Direct contact with eyes may cause temporary irritation.		
Symptoms related to the ohysical, chemical and oxicological characteristics	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Aspiration may cause pulmonary edema and pneumonitis. Skin irritation. May cause redness and pain.		
nformation on toxicological effec	ts		
Acute toxicity	May be fatal if swallowed and enter	s airways. Narcotic effects.	
Components	Species	Test Results	
sobutane (CAS 75-28-5)			
Acute			
Inhalation			
LC50	Mouse	1237 mg/l, 120 Minutes	
		52 %, 120 Minutes	
		JZ 70, TZU MITULES	

Components	Species	Test Results
Naphtha (petroleum), Hydrotreat	ed Heavy (CAS 64742-48-9)	
Acute		
Dermal LD50	Rabbit	> 1900 mg/kg, 24 Hours
Inhalation	Ναυσιι	> 1900 mg/kg, 24 hours
LC50	Rat	> 5020 mg/m3, 4 Hours
2000		> 4980 mg/m3
		> 4980 mg/m3, 4 Hours
		> 4.96 mg/l, 4 Hours
Oral		2 4.90 mg/i, 4 hours
LD50	Rat	4820 mg/kg
n-Heptane (CAS 142-82-5)	Nat	4020 mg/kg
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
Inhalation		
LC50	Rat	> 29.29 mg/l, 4 Hours
Propane (CAS 74-98-6)		
Acute		
Inhalation		
LC50	Mouse	1237 mg/l, 120 Minutes
		52 %, 120 Minutes
	Rat	1355 mg/l
		658 mg/l/4h
Toluene (CAS 108-88-3)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg, 24 Hours
Inhalation		
LC50	Mouse	6405 - 7436 ppm, 6 Hours
		5320 ppm, 8 Hours
	Rat	5879 - 6281 ppm, 6 Hours
		12.5 - 28.8 mg/l, 4 Hours
Oral		
LD50	Rat	5000 mg/kg
* E-timeta - fan medaat mean	he have done additional community	and data wat shares
* Estimates for product may Skin corrosion/irritation	be based on additional compon Causes skin irritation.	ent data not shown.
	Direct contact with eyes may	(cause temporary irritation
Serious eye damage/eye irritation	Direct contact with eyes may	cause temporary initiation.
Respiratory or skin sensitization		
Respiratory sensitization	Not available.	
Skin sensitization	This product is not expected	to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate mutagenic or genotoxic.	product or any components present at greater than 0.1% are
Carcinogenicity	This product is not considered	ed to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall I	Evaluation of Carcinogenicity	
Toluene (CAS 108-88-3		3 Not classifiable as to carcinogenicity to humans. 01-1050)
Not listed.		
Reproductive toxicity	Suspected of damaging the	unborn child.

Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.		
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.		
Aspiration hazard	May be fatal if swallowed and enters airways.		
Chronic effects	May caus	e damage to organs through prolonged o	r repeated exposure.
	SE	CTION 12 ECOLOGICAL INFORM	ATION
Ecotoxicity	Toxic to a	equatic life with long lasting effects.	
Components		Species	Test Results
n-Heptane (CAS 142-82-5)			
Aquatic			
Fish	LC50	Mozambique tilapia (Tilapia mossambica)	375 mg/l, 96 hours
Toluene (CAS 108-88-3)			
Aquatic			
Algae	IC50	Algae	433.0001 mg/L, 72 Hours
Crustacea	EC50	Daphnia	7.645 mg/L, 48 Hours
		Water flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours
Fish	LC50	Coho salmon,silver salmon (Oncorhynchus kisutch)	8.11 mg/l, 96 hours
* Estimates for product may	be based on	additional component data not shown.	
		-	duct
Persistence and degradability	No data is	s available on the degradability of this pro	duct.
Persistence and degradability Bioaccumulative potential	No data is No data a	s available on the degradability of this pro available.	duct.
Persistence and degradability	No data is No data a	s available on the degradability of this pro available.	duct.
Persistence and degradability Bioaccumulative potential Partition coefficient n-octan	No data is No data a	s available on the degradability of this pro available. Kow) 2.76 4.66	duct.
Persistence and degradability Bioaccumulative potential Partition coefficient n-octan Isobutane n-Heptane Propane	No data is No data a	s available on the degradability of this pro available. Kow) 2.76 4.66 2.36	duct.
Persistence and degradability Bioaccumulative potential Partition coefficient n-octand Isobutane n-Heptane Propane Toluene	No data is No data a ol / water (log	s available on the degradability of this pro available. Kow) 2.76 4.66 2.36 2.73	duct.
Persistence and degradability Bioaccumulative potential Partition coefficient n-octane Isobutane n-Heptane Propane Toluene Mobility in soil	No data is No data a ol / water (log No data a	s available on the degradability of this pro available. Kow) 2.76 4.66 2.36 2.73 available.	
Persistence and degradability Bioaccumulative potential Partition coefficient n-octand Isobutane n-Heptane Propane Toluene	No data is No data a ol / water (log No data a No other a	s available on the degradability of this pro available. Kow) 2.76 4.66 2.36 2.73 available.	e depletion, photochemical ozone creation
Persistence and degradability Bioaccumulative potential Partition coefficient n-octane Isobutane n-Heptane Propane Toluene Mobility in soil	No data is No data a ol / water (log No data a No other a potential,	s available on the degradability of this pro available. Kow) 2.76 4.66 2.36 2.73 available. adverse environmental effects (e.g. ozone	e depletion, photochemical ozone creation ential) are expected from this component.
Persistence and degradability Bioaccumulative potential Partition coefficient n-octane Isobutane n-Heptane Propane Toluene Mobility in soil	No data is No data a ol / water (log No data a No other a potential, SEC Collect ar under pre	s available on the degradability of this provival available. Kow) 2.76 4.66 2.36 2.73 available. adverse environmental effects (e.g. ozone endocrine disruption, global warming pote CTION 13 DISPOSAL CONSIDERA and reclaim or dispose in sealed containers assure. Do not puncture, incinerate or cruss ater supplies. Do not contaminate ponds, Dispose of contents/container in accorda	e depletion, photochemical ozone creation ential) are expected from this component. TIONS at licensed waste disposal site. Contents
Persistence and degradability Bioaccumulative potential Partition coefficient n-octane Isobutane n-Heptane Propane Toluene Mobility in soil Other adverse effects	No data is No data a ol / water (log No data a No other a potential, SEC Collect ar under pre sewers/w container, regulatior	s available on the degradability of this provival available. Kow) 2.76 4.66 2.36 2.73 available. adverse environmental effects (e.g. ozone endocrine disruption, global warming pote CTION 13 DISPOSAL CONSIDERA and reclaim or dispose in sealed containers assure. Do not puncture, incinerate or cruss ater supplies. Do not contaminate ponds, Dispose of contents/container in accorda	e depletion, photochemical ozone creation ential) are expected from this component. TIONS is at licensed waste disposal site. Contents sh. Do not allow this material to drain into waterways or ditches with chemical or used ance with local/regional/national/international
Persistence and degradability Bioaccumulative potential Partition coefficient n-octane Isobutane n-Heptane Propane Toluene Mobility in soil Other adverse effects Disposal instructions	No data is No data a ol / water (log No data a No other a potential, SEC Collect ar under pre sewers/wa container regulation Dispose in	s available on the degradability of this pro- available. Kow) 2.76 4.66 2.36 2.73 available. adverse environmental effects (e.g. ozone endocrine disruption, global warming pote CTION 13 DISPOSAL CONSIDERA nd reclaim or dispose in sealed containers assure. Do not puncture, incinerate or cruss ater supplies. Do not contaminate ponds, . Dispose of contents/container in accordans. n accordance with all applicable regulatio e code should be assigned in discussion l	e depletion, photochemical ozone creation ential) are expected from this component. TIONS is at licensed waste disposal site. Contents sh. Do not allow this material to drain into waterways or ditches with chemical or used ance with local/regional/national/international
Persistence and degradability Bioaccumulative potential Partition coefficient n-octane Isobutane n-Heptane Propane Toluene Mobility in soil Other adverse effects Disposal instructions Local disposal regulations Hazardous waste code US RCRA Hazardous Wast	No data is No data a ol / water (log No data a No other a potential, Collect ar under pre sewers/w container. regulation Dispose in The waste disposal o	s available on the degradability of this provival able. Kow) 2.76 4.66 2.36 2.73 available. adverse environmental effects (e.g. ozone endocrine disruption, global warming pote CTION 13 DISPOSAL CONSIDERA and reclaim or dispose in sealed containers assure. Do not puncture, incinerate or crus ater supplies. Do not contaminate ponds, Dispose of contents/container in accordans. n accordance with all applicable regulation e code should be assigned in discussion b company.	e depletion, photochemical ozone creation ential) are expected from this component. ATIONS at licensed waste disposal site. Contents sh. Do not allow this material to drain into waterways or ditches with chemical or used ance with local/regional/national/international ns.
Persistence and degradability Bioaccumulative potential Partition coefficient n-octane Isobutane n-Heptane Propane Toluene Mobility in soil Other adverse effects Disposal instructions	No data is No data a ol / water (log No data a No other a potential, Collect ar under pre sewers/w container regulation Dispose in The waste disposal c e U List: Refe 3) Dispose c product re	s available on the degradability of this pro- available. Kow) 2.76 4.66 2.36 2.73 available. adverse environmental effects (e.g. ozone endocrine disruption, global warming pote CTION 13 DISPOSAL CONSIDERA and reclaim or dispose in sealed containers assure. Do not puncture, incinerate or crus ater supplies. Do not contaminate ponds, . Dispose of contents/container in accord as. n accordance with all applicable regulation e code should be assigned in discussion b company. rence U220 of in accordance with local regulations. En	e depletion, photochemical ozone creation ential) are expected from this component. ATIONS at licensed waste disposal site. Contents sh. Do not allow this material to drain into waterways or ditches with chemical or used ance with local/regional/national/international ns.

DOT

UN numberUN1950UN proper shipping nameAerosols, flammable, (each not exceeding 1 L capacity)

Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

ΙΑΤΑ

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	Yes
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.
Packaging Exceptions	LTD QTY
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	Yes
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions	LTD QTY
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

DOT



IATA; IMDG				
Marine pollutant				
General information	IMDG Regulated Marin	ne Pollutant.		
	SECTION 15	REGULATORY INFO	RMATION	
US federal regulations	Standard, 29 CFR 191		ned by the OSHA Hazard Comm	unication
TSCA Section 12(b) Export N	otification (40 CFR 707, S	Subpt. D)		
Not regulated.				
CERCLA Hazardous Substan Toluene (CAS 108-88-3)	ce List (40 CFR 302.4)	Listed.		
SARA 304 Emergency release	e notification	Listed.		
Not regulated. OSHA Specifically Regulated Not listed.	Substances (29 CFR 19	10.1001-1050)		
Superfund Amendments and Reau	uthorization Act of 1986 (SARA)		
Hazard categories	Immediate Hazard - Ye Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No			
SARA 302 Extremely hazardo Not listed.	ous substance			
SARA 311/312 Hazardous chemical	No			
SARA 313 (TRI reporting) Chemical name		CAS number	% by wt.	
Toluene		108-88-3	1 - 2.5	
Other federal regulations				
Clean Air Act (CAA) Section 1	12 Hazardous Air Polluta	ants (HAPs) List		
Toluene (CAS 108-88-3) Clean Air Act (CAA) Section 1		e Prevention (40 CFR 68	130)	
Isobutane (CAS 75-28-5) Propane (CAS 74-98-6)				
Safe Drinking Water Act (SDWA)	Not regulated.			

Big 5

Drug Enforcement Admi Chemical Code Number		ssential Chemicals (21 CFR 1310.02(b) and ²	1310.04(f)(2) and
Toluene (CAS 108- Drug Enforcement Admi		6594 2 Exempt Chemical Mixtures (21 CFR 1310.1	2(c))
Toluene (CAS 108-		35 %WV	2(0))
DEA Exempt Chemical I	-	33 /8000	
Toluene (CAS 108-		594	
US state regulations	00 0)	004	
US. Massachusetts RTK - Si	ubstance List		
Isobutane (CAS 75-28-5 n-Heptane (CAS 142-82			
Propane (CAS 74-98-6)	,		
Toluene (CAS 108-88-3			
US. New Jersey Worker and	Community Right-to-Kno	w Act	
Isobutane (CAS 75-28-5			
n-Heptane (CAS 142-82			
Propane (CAS 74-98-6) Toluene (CAS 108-88-3			
US. Pennsylvania Worker ar		now Law	
Isobutane (CAS 75-28-5			
n-Heptane (CAS 142-82			
Propane (CAS 74-98-6)			
Toluene (CAS 108-88-3)		
US. Rhode Island RTK			
Isobutane (CAS 75-28-5			
Propane (CAS 74-98-6) Toluene (CAS 108-88-3			
•			
US. California Proposition 65 WARNING: This produc		wn to the State of California to cause birth de	fects or other reproductive
harm.			
US - California Propositi	ion 65 - CRT: Listed date/	Developmental toxin	
Toluene (CAS 108-		Listed: January 1, 1991	
•		Female reproductive toxin	
Toluene (CAS 108-	88-3)	Listed: August 7, 2009	
International Inventories			
Country(s) or region	Inventory name		On inventory (yes/no)*
Australia	Australian Inventory of	Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)		Yes
Canada	Non-Domestic Substances List (NDSL)		No
China	Inventory of Existing Chemical Substances in China (IECSC)		No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)		No
Europe	European List of Notifi	ed Chemical Substances (ELINCS)	No
Japan	Inventory of Existing a	nd New Chemical Substances (ENCS)	No
Korea	Existing Chemicals Lis	st (ECL)	No
New Zealand	New Zealand Inventor	у	No
Philippines	Philippine Inventory of (PICCS)	Chemicals and Chemical Substances	Yes
United States & Puerto Rico	Toxic Substances Con	trol Act (TSCA) Inventory	Yes
*A "Vos" indicatos that all comp		ly with the inventory requirements administered by	the governing country(c)

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16 OTHER INFORMATION

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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