SAFETY DATA SHEET

1. Identification

1. Identification		
Product number	KK0197, KK0332 (Imperial brand)	
Product identifier	STOVE PAINT SB BLACK	
Company information	Kel Kem Ltd. 1333 Cornwall Road Oakville, Ontario, Canada E4W 4A4	
Company phone	(905) 829-5888	
Emergency telephone	(24 hours) Canutec (613) 996-6666 (Collect)	
Recommended use Recommended restrictions	COATING None known.	
2. Hazard(s) identification		
Physical hazards	Flammable aerosols	
Health hazards	Skin corrosion/irritation	
	Serious eye damage/eye irritation	
	Germ cell mutagenicity	Category 1
	Carcinogenicity	Category 2
	Reproductive toxicity (the unborn child)	Category 2A
	Specific target organ toxicity, single exposure	Category 1B
	Specific target organ toxicity, repeated	Category 1B
	Aspiration hazard	Category 2
Environmental hazards	Not classified.	Category 3 narcotic effects
OSHA defined hazards	Not classified.	Category 2
Label elements		Category 1



Signal word Hazard statement

Precautionary statement

Prevention

Response

Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If include the Demonstrate for the state of the state of the state of the state of the state.

inhaled: Remove person to fresh air and keep 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 exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment (see this label). Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.

Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Propane		74-98-6	20 - 40
Toluene		108-88-3	10 - 20
Xylene		1330-20-7	10 - 20
Ethyl Benzene		100-41-4	2.5 - 10
OK 412 (12305c)		Mixture	2.5 - 10
Propylene Glycol Monomethyl Ether Acetate		108-65-6	2.5 - 10
Carbon Black		1333-86-4	0.1 - 1
Mineral Spirits		8052-41-3	0.1 - 1
Other components below reportable leve	ls		20 - 40

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

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	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. 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.
5. Fire-fighting measures	
Suitable extinguishing media	Powder. Alcohol resistant 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.
	Contents under pressure. Pressurized container may explode when exposed to heat or flame. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
the chemical Special protective equipment	Firefighters must use standard protective equipment including flame retardant coat, helmet with
the chemical Special protective equipment and precautions for firefighters Fire-fighting	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. 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

6. Accidental release measures

0. Accidental release meas	Sules
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 gas. 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. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Environmental precautions	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.
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 gas. 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,	Level 2 Aerosol.
including any incompatibilities	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).

8. Exposure controls/personal protection

Occupational exposure limits

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

Components	Туре `	Value	
Carbon Black (CAS 1333-86-4)	PEL	3.5 mg/m3	
Ethyl Benzene (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
Mineral Spirits (CAS 8052-41-3)	PEL	2900 mg/m3	
		500 ppm	
Propane (CAS 74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
Xylene (CAS 1330-20-7)	PEL	435 mg/m3	
		100 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	Form
Carbon Black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
Ethyl Benzene (CAS 100-41-4)	TWA	20 ppm	

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100-41-4) mandelic acid and phenylglyoxylic acid urine Toluene (CAS 108-88-3) 0.3 mg/g o-Cresol, with hydrolysis Creatinine in 0.03 mg/l Toluene Urine * 0.02 mg/l Toluene Blood * Xylene (CAS 1330-20-7) 1.5 g/g Methylhippuric acids Creatinine in * * - For sampling details, please see the source document. Creatinine in * osure guidelines US - California OELs: Skin designation Fropylene Glycol Monomethyl Ether Acetate (CAS Can be absorbed through the skin. 108-65-6) Toluene (CAS 108-88-3) Can be absorbed through the skin. US - Minnesota Haz Subs: Skin designation applies Toluene (CAS 108-88-3) Skin designation applies. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. wash facilities and emergency shower must be available when handling this product.	100-41-4) mandelic acid urine and phenylglyoxylic acid		es	Determinant	Specimen	Sampling T	ïme
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Toluene (CAS 108-88-3) 0.3 mg/g o-Cresol, with hydrolysis Creatinine in hydrolysis * 0.03 mg/l Toluene Urine * 0.02 mg/l Toluene Blood * Xylene (CAS 1330-20-7) 1.5 g/g Methylhippuric creatinine in acids * * - For sampling details, plezeze see the source document. Creatinine in acids * osure guidelines Verine * * US - California OELs: Skin designation Can be absorbed through the skin. * 108-65-6) Toluene (CAS 108-88-3) Can be absorbed through the skin. * 108-65-6) Toluene (CAS 108-88-3) Can be absorbed through the skin. * US - Minnesota Haz Subs: Skin designation applies Can be absorbed through the skin. * Toluene (CAS 108-88-3) Skin designation applies. * voorpriate engineering trols Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits, exposure limits have not been established, maintain airborne levels below recommended exposure limits, exposure limits, have not been established, maintain airborne levels to an acceptable level. E	phenylglyoxylic acid				urine		
acid Cresol, with hydrolysis wirne	acid						
Toluene (CAS 108-88-3) 0.3 mg/g o-Cresol, with hydrolysis Creatinine in							
0.03 mg/l Toluene Urine * 0.02 mg/l Toluene Blood * Xylene (CAS 1330-20-7) 1.5 g/g Methylhippuric acids Creatinine in traine in trai		4S 108-88-3) 0.3 mg	/g		Creatinine in	*	
0.02 mg/l Toluene Blood * Xylene (CAS 1330-20-7) 1.5 g/g Methylhippuric acids Creatinine in trine * * - For sampling details, please see the source document. osure guidelines US - California OELs: Skin designation * Propylene Glycol Monomethyl Ether Acetate (CAS Can be absorbed through the skin. 108-65-6) Toluene (CAS 108-88-3) Can be absorbed through the skin. US - Minnesota Haz Subs: Skin designation applies Toluene (CAS 108-88-3) Skin designation applies. Skin designation applies. ropriate engineering trols Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. wash facilities and emergency shower must be available when handling this product.	hydrolysis urine			hydrolysis	urine		
Xylene (CAS 1330-20-7) 1.5 g/g Methylhippuric acids Creatinine in * urine * - For sampling details, please see the source document. osure guidelines US - California OELs: Skin designation Propylene Glycol Monomethyl Ether Acetate (CAS Can be absorbed through the skin. 108-65-6) Toluene (CAS 108-88-3) Can be absorbed through the skin. US - Minnesota Haz Subs: Skin designation applies Toluene (CAS 108-88-3) Skin designation applies. Toluene (CAS 108-88-3) Skin designation applies. Skin designation applies. oropriate engineering trols Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. wash facilities and emergency shower must be available when handling this product.	0.03 mg/l Toluene Urine *	0.03 m	g/l	Toluene	Urine	*	
Xylene (CAS 1330-20-7) 1.5 g/g Methylhippuric acids Creatinine in * urine * - For sampling details, please see the source document. osure guidelines US - California OELs: Skin designation Propylene Glycol Monomethyl Ether Acetate (CAS Can be absorbed through the skin. 108-65-6) Toluene (CAS 108-88-3) Can be absorbed through the skin. US - Minnesota Haz Subs: Skin designation applies Toluene (CAS 108-88-3) Skin designation applies. Toluene (CAS 108-88-3) Skin designation applies. Skin designation applies. oropriate engineering trols Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. wash facilities and emergency shower must be available when handling this product.	0.02 mg/l Toluene Blood *	0.02 m	g/l	Toluene	Blood	*	
acids urine * - For sampling details, please see the source document. osure guidelines US - California OELs: Skin designation Propylene Glycol Monomethyl Ether Acetate (CAS Can be absorbed through the skin. 108-65-6) Toluene (CAS 108-88-3) Can be absorbed through the skin. US - Minnesota Haz Subs: Skin designation applies Toluene (CAS 108-88-3) Skin designation applies. ropriate engineering trols Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilatio or other engineering controls to maintain airborne levels below recommended exposure limits. exposure limits have not been established, maintain airborne levels to an acceptable level. Ey wash facilities and emergency shower must be available when handling this product.	•		•	Methylhippuric	Creatinine in	*	
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Propylene Glycol Monomethyl Ether Acetate (CAS Can be absorbed through the skin. 108-65-6) Toluene (CAS 108-88-3) Can be absorbed through the skin. US - Minnesota Haz Subs: Skin designation applies Toluene (CAS 108-88-3) Skin designation applies. ropriate engineering trols Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilatior or other engineering controls to maintain airborne levels below recommended exposure limits. exposure limits have not been established, maintain airborne levels to an acceptable level. Ey wash facilities and emergency shower must be available when handling this product.	osure guidelines	lines					
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US - Minnesota Haz Subs: Skin designation applies Toluene (CAS 108-88-3) Skin designation applies. propriate engineering trols Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. exposure limits have not been established, maintain airborne levels to an acceptable level. Ey wash facilities and emergency shower must be available when handling this product.				Can be	e absorbed throug	h the skin.	
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		e (CAS 108-88-3) sota Haz Subs: Skin d			ir changes per h	our) should be	
vidual protection measures, such as personal protective equipment	or other engineering controls to maintain airborne levels below recommended exp exposure limits have not been established, maintain airborne levels to an accepta	e (CAS 108-88-3) sota Haz Subs: Skin d e (CAS 108-88-3) gineering Goo sho or o exp	uld be matched t ther engineering osure limits have	to conditions. If app controls to maintate not been establis	olicable, use proc in airborne levels hed, maintain airt	ess enclosure below recom orne levels to	mended exposure limits. o an acceptable level. Ey
	or other engineering controls to maintain airborne levels below recommended exp exposure limits have not been established, maintain airborne levels to an accepta	e (CAS 108-88-3) sota Haz Subs: Skin d e (CAS 108-88-3) gineering Goo sho or o exp	uld be matched t ther engineering osure limits have	to conditions. If app controls to maintate not been establis	olicable, use proc in airborne levels hed, maintain airt	ess enclosure below recom orne levels to	mended exposure limits. o an acceptable level. Ey

Hand protection	Wear appropriate chemical resistant gloves.
Skin protection	
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Skin protection	
Respiratory protection	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

	•
Appearance	
Physical state	Gas.
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	181.01 °F (82.78 °C) estimated
Flash point	-156.0 °F (-104.4 °C) propellant estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1.2 % estimated
Flammability limit - upper (%)	7.7 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	223.49 psig @70F estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	985.84 °F (529.91 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Specific gravity	0.694 estimated
10 Stability and reactivity	

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong acids. Acids. Strong oxidizing agents. Halogens.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
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	Causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and throat. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Information on toxicological effects				
Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects.			c effects.	
Compone	ents	Species	Test Results	
Carbon B	lack (CAS 1333-86-4)			
	Acute			
	Oral			
I	LD50	Rat	> 8000 mg/kg	
Ethyl Ben	zene (CAS 100-41-4)			
1	Acute			
	Dermal			
I	LD50	Rabbit	17.8 ml/kg, 24 Hours	
	Inhalation			
I	LC50	Mouse	> 8000 ppm, 20 Minutes	
		Rat	4000 ppm	
	Oral			
I	LD50	Rat	3500 mg/kg	
(Other			
I	LD50	Mouse	17.81 mm/kg	
OK 412 (*	12305c) (CAS Mixture)			
	Acute			
I	Dermal			
I	LD50	Rabbit	5000 mg/kg Literature	
(Oral			
I	LD50	Rat	5000 mg/kg supplier	
Propane ((CAS 74-98-6)			
1	Acute			
	Inhalation			
I	LC50	Mouse	1237 mg/l, 120 Minutes	
			52 %, 120 Minutes	
		Rat	1355 mg/l	
			658 mg/l/4h	
Propylene	e Glycol Monomethyl Ether	Acetate (CAS 108-65-6)		
	Acute			
	Dermal			
I	LD50	Rat	> 2000 mg/kg, 24 Hours	
(Oral			
I	LD50	Rat	> 14.1 ml	

Components	Species	Test Results
_		5155 mg/kg
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
Xylene (CAS 1330-20-7)		
Acute		
Dermal		
LD50	Rabbit	> 5000 ml/kg, 4 Hours
		12126 mg/kg, 24 Hours
Inhalation		
LC50	Rat	5922 ppm, 4 Hours
Oral		
LD50	Mouse	5251 mg/kg
	Rat	3523 mg/kg
		10 ml/kg
* Estimates for product may l	be based on additional compone	nt data not shown
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitizatio	n	
Respiratory sensitization	Not available.	
Skin sensitization	This product is not expected	o cause skin sensitization.
Germ cell mutagenicity	May cause genetic defects.	
Carcinogenicity	May cause cancer.	
IARC Monographs. Overall	Evaluation of Carcinogenicity	
Carbon Black (CAS 133	•••	2B Possibly carcinogenic to humans.
Ethyl Benzene (CAS 100		2B Possibly carcinogenic to humans.
Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)		3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans.
	, ed Substances (29 CFR 1910. [,]	
Not listed.	,	,
Reproductive toxicity		ave been shown to cause birth defects and reproductive disorders in d of damaging the unborn child.
Specific target organ toxicity - single exposure	May cause drowsiness and c	zziness.
Specific target organ toxicity - repeated exposure	Respiratory system. Skin. Kio organs through prolonged or	neys. Central nervous system. Eyes. Liver. May cause damage to epeated exposure.
Aspiration hazard	May be fatal if swallowed and	
Chronic effects	-	se chronic effects. May cause damage to organs through prolonged
12. Ecological information		
•		leating officito
Ecotoxicity	Toxic to aquatic life with long	asing circlis.

Components		Species	Test Results
Ethyl Benzene (CAS 100-41-	4)		
Aquatic			
Algae	IC50	Algae	4.6 mg/L, 72 Hours
Crustacea	EC50	Daphnia	2.1 mg/L, 48 Hours
		Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 mg/l, 96 hours
OK 412 (12305c) (CAS Mixtu	re)		
Aquatic			
Fish	LC50	Fish	10000 mg/l, 96 hours supplier
Propylene Glycol Monomethy	I Ether Acet	ate (CAS 108-65-6)	
Aquatic Crustacea	EC50	Daphnia	500.0001 mg/L, 48 Hours
	L030	Dapinia	300.000 r mg/L, 40 r louis
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	8.11 mg/l, 96 hours
	2000	(Oncorhynchus kisutch)	
Xylene (CAS 1330-20-7)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	7.711 - 9.591 mg/l, 96 hours
Partition coefficient n-octar Ethyl Benzene Mineral Spirits Propane Toluene	nol / water (3.15 3.16 - 7.15 2.36 2.73	
Xylene		3.12 - 3.2	
bility in soil	No data a		ation what a charge and a charge and the
er adverse effects		adverse environmental effects (e.g. ozone depl endocrine disruption, global warming potential)	
Dispession sensideration	-		
. Disposal consideratio posal instructions	Collect ar under pre sewers/w container	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.	
al disposal regulations	•	n accordance with all applicable regulations.	
ardous waste code		e code should be assigned in discussion betwe	en the user, the producer and the was
US RCRA Hazardous Waste	disposal o		
Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)		U220 U239	
ste from residues / unused ducts	Dispose o	of in accordance with local regulations. Empty considues. This material and its container must be	
ntaminated packaging	-	ntainers should be taken to an approved waste	handling aits for requeling or disposal

14. Transport information

DOT

UN number UN proper shipping name	UN1950 Aerosols, 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 UN proper shipping name	UN1950 Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s) Packing	2.1
group Environmental	Not applicable.
hazards ERG Code	Yes
	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) Packing	2.1
group Environmental	Not applicable.
hazards	
Marine pollutant	Yes
EmS	F-D, S-U
	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.





General information

IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated. CERCLA Hazardous Substa	ance List (40 CFR 302.4)	
Ethyl Benzene (CAS 100 Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7) SARA 304 Emergency relea)	Listed. Listed. Listed.
Not regulated. OSHA Specifically Regulate Not listed.	ed Substances (29 CFR 1910.10	01-1050)
Superfund Amendments and R	eauthorization Act of 1986 (SAF	RA)
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely hazar	dous substance	
Net listed		

No

Not listed. SARA 311/312 Hazardous chemical

SARA 313 (TRI reporting) Chemical name	CAS number	% by wt.
Toluene	108-88-3	10 - 20
Xylene	1330-20-7	10 - 20
Ethyl Benzene	100-41-4	2.5 - 10
ther federal regulations		
Clean Air Act (CAA) Section 112 Hazardous Air Poll	utants (HAPS) List	
Ethyl Benzene (CAS 100-41-4) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)		
Clean Air Act (CAA) Section 112(r) Accidental Relea	ase Prevention (40 CFR	68.130)
Propane (CAS 74-98-6)		
Safe Drinking Water Act Not regulated. (SDWA)		
Drug Enforcement Administration (DEA). List 2 Chemical Code Number		21 CFR 1310.02(b) and 1310.04(f)(2) and
Toluene (CAS 108-88-3)	6594	
Drug Enforcement Administration (DEA). List 1	35 %WV	mixtures (21 CFR 1310.12(C))
Toluene (CAS 108-88-3) DEA Exempt Chemical Mixtures Code Number	33 %VV V	
Toluene (CAS 108-88-3)	594	
S state regulations		
US. Massachusetts RTK - Substance List		
Carbon Black (CAS 1333-86-4)		
Ethyl Benzene (CAS 100-41-4)		
Mineral Spirits (CAS 8052-41-3)		
Propane (CAS 74-98-6) Toluene (CAS 108-88-3)		
Xylene (CAS 1330-20-7)		
US. New Jersey Worker and Community Right-to-Ki	now Act	
Carbon Black (CAS 1333-86-4)		
Ethyl Benzene (CAS 100-41-4)		
Mineral Spirits (CAS 8052-41-3)		
Propane (CAS 74-98-6)		
Toluene (CAS 108-88-3)		
Xylene (CAS 1330-20-7)		
US. Pennsylvania Worker and Community Right-to-	Know Law	
Carbon Black (CAS 1333-86-4)		
Ethyl Benzene (CAS 100-41-4)		
Mineral Spirits (CAS 8052-41-3)		
Propane (CAS 74-98-6)		
Toluene (CAS 108-88-3)		
Xylene (CAS 1330-20-7) US. Rhode Island RTK		
Ethyl Benzene (CAS 100-41-4) Propane (CAS 74-98-6)		
Toluene (CAS 108-88-3)		
Xylene (CAS 1330-20-7)		
US. California Proposition 65		
WARNING: This product contains a chemical know reproductive harm.	n to the State of Californ	ia to cause cancer and birth defects or oth
US - California Proposition 65 - CRT: Listed dat	e/Carcinogenic substa	nce
Carbon Black (CAS 1333-86-4)	Listed: February	
Ethyl Benzene (CAS 100-41-4)	Listed: June 11,	
US - California Proposition 65 - CRT: Listed dat		
Methanol (CAS 67-56-1)	Listed: March 16	5, 2012
Toluene (CAS 108-88-3)	Listed: January	
US - California Proposition 65 - CRT: Listed dat	e/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 Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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).

16. Other information, including date of preparation or last revision

Issue date Version #	02-09-2017 02
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Revision Information	Product Number KK0332 added.