# SAFETY DATA SHEET

## 1. Identification

Product identifier	KD620D KNOCK DOWN Equine Fly Spray
Other means of identification	
Product code	KD620D, KD621D
Recommended use	Pesticide
Recommended restrictions	None known.

Manufacturer/Importer/Supplier/Distributor information Manufacturer

Company name	KUUS INC.	
Address	450 TAPSCOTT ROAD	
	SCARBOROUGH, ON M1E	31Y4
	Canada	
Telephone	General Assistance	1-416-298-7724
E-mail	Not available.	
Emergency phone number	Canutec	1-888-226-8832
		1-613-996-6666

## 2. Hazard(s) identification

Physical hazards	Flammable liquids
Health hazards	Sensitization, skin
Label elements	



Signal word	None.	
Hazard statement	Flammable liquid and vapor. May cause an allergic skin reaction.	
Precautionary statement		
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing mist or vapor. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.	
Response	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.	
Storage	Store in a well-ventilated place. Keep cool.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Environmental hazards	Hazardous to the aquatic environment, acute Category 1 hazard	
	Hazardous to the aquatic environment, Category 1 long-term hazard	

Category 3

Category 1

## 3. Composition/information on ingredients

Mixtures Chemical name	Common name and synonyms	CAS number	%
Piperonyl Butoxide		51-03-6	0.01 - 1
Pyrethrin		8003-34-7	0.01 - 1
Permethrin		52645-53-1	0.01 - 1
Solvent Naphtha (petroleum), Light Aromatic		64742-95-6	0.01 - 1
Other components below reportable	levels		60 - 100

Other components below reportable levels

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures Inhalation Move to fresh air. Call a physician if symptoms develop or persist. Remove contaminated clothing immediately and wash skin with soap and water. In case of Skin contact eczema or other skin disorders: Seek medical attention and take along these instructions. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if Eye contact present and easy to do. Get medical attention if irritation develops and persists. Ingestion Rinse mouth. Get medical attention if symptoms occur. Most important Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction. Dermatitis. Rash. symptoms/effects, acute and delayed Indication of immediate Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water medical attention and special immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. treatment needed Symptoms may be delayed.

Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

**General information** 

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. 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	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable liquid and vapor.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing 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.

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

Methods and materials for containment and cleaning up	Prevent product from entering drains.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.
	Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. 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

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

Conditions for safe storage, including any incompatibilities

## 8. Exposure controls/personal protection

US. ACGIH Threshold Limit		Value
Pyrethrins (CAS 8003-34-7)	TWA	5 mg/m3
	upational Health & Safety Code, Schedu	
Components	Туре	Value
Pyrethrins (CAS 8003-34-7)	TWA	5 mg/m3
		r Chemical Substances, Occupational Health and
Safety Regulation 296/97, as Components	Type	Value
Pyrethrins (CAS 8003-34-7)	TWA	5 mg/m3
Canada. Manitoba OELs (Re	eg. 217/2006, The Workplace Safety And	Health Act)
Components	Туре	Value
Pyrethrins (CAS 8003-34-7)	TWA	5 mg/m3
Canada. Ontario OELs. (Con	ntrol of Exposure to Biological or Chem	ical Agents)
Components	Туре	Value
Pyrethrins (CAS 8003-34-7)	TWA	5 mg/m3
-	nistry of Labor - Regulation Respecting	
Components	Туре	Value
Pyrethrins (CAS 8003-34-7)	TWA	5 mg/m3
cupational exposure limits	No exposure limits noted for ingredient(	s).
logical limit values	No biological exposure limits noted for the ingredient(s).	
propriate engineering htrols	should be matched to conditions. If appl or other engineering controls to maintair	r changes per hour) should be used. Ventilation rates icable, use process enclosures, local exhaust ventilation n airborne levels below recommended exposure limits. ed, maintain airborne levels to an acceptable level.
	such as personal protective equipment	
Eye/face protection	Face shield is recommended. Wear sale	ety glasses with side shields (or goggles).
Skin protection	Week environmente eksemiset versistent ele	use Ouitable slaves can be recommended by the slave
Hand protection	supplier.	ves. Suitable gloves can be recommended by the glove
	eabbren.	
Other		thing. Use of an impervious apron is recommended.
Other Respiratory protection	Wear appropriate chemical resistant clo If engineering controls do not maintain a	airborne concentrations below recommended exposure table level (in countries where exposure limits have no
	Wear appropriate chemical resistant clo If engineering controls do not maintain a limits (where applicable) or to an accept	airborne concentrations below recommended exposure table level (in countries where exposure limits have not or must be worn.
Respiratory protection	Wear appropriate chemical resistant clor If engineering controls do not maintain a limits (where applicable) or to an accept been established), an approved respirat Wear appropriate thermal protective clor When using do not smoke. Always obse after handling the material and before ea	airborne concentrations below recommended exposure table level (in countries where exposure limits have not or must be worn.
Respiratory protection Thermal hazards neral hygiene	Wear appropriate chemical resistant cloud If engineering controls do not maintain a limits (where applicable) or to an accept been established), an approved respirat Wear appropriate thermal protective cloud When using do not smoke. Always obse after handling the material and before ea clothing and protective equipment to rem be allowed out of the workplace.	airborne concentrations below recommended exposure table level (in countries where exposure limits have no or must be worn. thing, when necessary. erve good personal hygiene measures, such as washing ating, drinking, and/or smoking. Routinely wash work
Respiratory protection Thermal hazards neral hygiene asiderations	Wear appropriate chemical resistant cloud If engineering controls do not maintain a limits (where applicable) or to an accept been established), an approved respirat Wear appropriate thermal protective cloud When using do not smoke. Always obse after handling the material and before ea clothing and protective equipment to rem be allowed out of the workplace.	airborne concentrations below recommended exposure table level (in countries where exposure limits have no or must be worn. thing, when necessary. erve good personal hygiene measures, such as washing ating, drinking, and/or smoking. Routinely wash work
Respiratory protection Thermal hazards heral hygiene hsiderations Physical and chemical	Wear appropriate chemical resistant cloud If engineering controls do not maintain a limits (where applicable) or to an accept been established), an approved respirat Wear appropriate thermal protective cloud When using do not smoke. Always obse after handling the material and before ea clothing and protective equipment to rem be allowed out of the workplace.	airborne concentrations below recommended exposure table level (in countries where exposure limits have no or must be worn. thing, when necessary. erve good personal hygiene measures, such as washing ating, drinking, and/or smoking. Routinely wash work

Form	Liquid.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.

Initial boiling point and boiling  $$212\ensuremath{\,^\circ C}\xspace)$$  estimated range

Flash point	>115.0 °F (46.1 °C)	
Evaporation rate	Not available.	
Flammability (solid, gas)	Not applicable.	
Upper/lower flammability or explosive 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	Not available.
(n-octanol/water)	
Auto-ignition temperature	Not available.
•	
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Flammability class	Combustible II estimated
Heat of combustion (NFPA 30B)	0.18 kJ/g estimated
Oxidizing properties	Not oxidizing.
Percent volatile	1 % estimated
Specific gravity	0.998 estimated
VOC (Weight %)	Not available
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 heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	May cause an allergic skin reaction. Dermatitis. Rash.

## Information on toxicological effects

Acute toxicity	May cause an allergic sk	in reaction.
Components	Species	Test Results
Solvent Naphtha (petrole	um), Light Aromatic (CAS 64742-95	-6)
Acute		
Dermal		
LD50	Rabbit	> 1900 mg/kg, 24 Hours

Inhalation LC50

> 5000 mg/m3, 4 Hours

- > 4980 mg/m3
- > 4980 mg/m3, 4 Hours
- > 4.96 mg/l, 4 Hours

Components	Species	Test Results
Oral		
LD50	Rat 4820	
mg/kg	1020	
Piperonyl Butoxide (CAS 51-03-6)		
Acute		
Dermal		
LD50	-	> 2000 mg/kg
Inhalation		
LC50	Rat	> 5.2 mg/l, 4 Hours
Oral		0000 /
LD50	Rat	> 2000 mg/kg
* Estimates for product may be	e based on additional component data	not shown.
Skin corrosion/irritation	Prolonged skin contact may cause te	mporary irritation.
Serious eye damage/eye rritation	Direct contact with eyes may cause t	emporary irritation.
Respiratory or skin sensitizatior	1	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	May cause an allergic skin reaction.	
Germ cell mutagenicity		or any components present at greater than 0.1% are
Carcinogenicity		
	Evaluation of Carcinogenicity	
IARC Monographs. Overall I Permethrin (CAS 52645-5		classifiable as to carcinogenicity to humans.
Permethrin (CAS 52645-5	53-1) 3 Not	classifiable as to carcinogenicity to humans. e reproductive or developmental effects.
	53-1) 3 Not	
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity -	53-1) 3 Not This product is not expected to cause	
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure	53-1) 3 Not This product is not expected to cause Not classified.	
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard.	
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard 12. Ecological information	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard.	
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard 12. Ecological information Ecotoxicity Very toxic to aquat	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard.	e reproductive or developmental effects.
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard <b>12. Ecological information</b> Ecotoxicity Very toxic to aquat Components	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species	
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard <b>12. Ecological information</b> Ecotoxicity Very toxic to aquat Components Piperonyl Butoxide (CAS 51-0	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species	e reproductive or developmental effects.
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard <b>12. Ecological information</b> Ecotoxicity Very toxic to aquat Components Piperonyl Butoxide (CAS 51-0 Aquatic	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species 13-6)	e reproductive or developmental effects. Test Results
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard <b>12. Ecological information</b> Ecotoxicity Very toxic to aquat Components Piperonyl Butoxide (CAS 51-0 Aquatic	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species	e reproductive or developmental effects. Test Results dson trout 0.0027 - 0.0043 mg/l, 96 hours
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard <b>12. Ecological information</b> Ecotoxicity Very toxic to aquat Components Piperonyl Butoxide (CAS 51-0 Aquatic	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species 13-6) LC50 Rainbow trout,donal	e reproductive or developmental effects. Test Results dson trout 0.0027 - 0.0043 mg/l, 96 hours
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard <b>12. Ecological information</b> Ecotoxicity Very toxic to aquat Components Piperonyl Butoxide (CAS 51-0 Aquatic Fish	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species 13-6) LC50 Rainbow trout,donal	e reproductive or developmental effects. Test Results dson trout 0.0027 - 0.0043 mg/l, 96 hours
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard <b>12. Ecological information</b> Ecotoxicity Very toxic to aquat Components Piperonyl Butoxide (CAS 51-0 Aquatic Fish Pyrethrins (CAS 8003-34-7) Aquatic	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species 13-6) LC50 Rainbow trout,donal	e reproductive or developmental effects. Test Results dson trout 0.0027 - 0.0043 mg/l, 96 hours ss)
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard <b>12. Ecological information</b> Ecotoxicity Very toxic to aquat Components Piperonyl Butoxide (CAS 51-0 Aquatic Fish Pyrethrins (CAS 8003-34-7) Aquatic Crustacea	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species 13-6) LC50 Rainbow trout,donal (Oncorhynchus myk	e reproductive or developmental effects. Test Results dson trout 0.0027 - 0.0043 mg/l, 96 hours (ss) 0.018 - 0.032 mg/l, 48 hours
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard <b>12. Ecological information</b> Ecotoxicity Very toxic to aquat Components Piperonyl Butoxide (CAS 51-0 Aquatic Fish Pyrethrins (CAS 8003-34-7) Aquatic Crustacea	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species 13-6) LC50 Rainbow trout,donal (Oncorhynchus myk EC50 Water flea (Daphnia LC50 Brown trout (Salmo	e reproductive or developmental effects. Test Results dson trout 0.0027 - 0.0043 mg/l, 96 hours (ss) 0.018 - 0.032 mg/l, 48 hours
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard <b>12. Ecological information</b> Ecotoxicity Very toxic to aquat Components Piperonyl Butoxide (CAS 51-0 Aquatic Fish Pyrethrins (CAS 8003-34-7) Aquatic Crustacea Fish	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species 13-6) LC50 Rainbow trout,donal (Oncorhynchus myk EC50 Water flea (Daphnia LC50 Brown trout (Salmo	e reproductive or developmental effects. Test Results dson trout 0.0027 - 0.0043 mg/l, 96 hours (ss) 0.018 - 0.032 mg/l, 48 hours
Permethrin (CAS 52645-5 Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard 12. Ecological information Ecotoxicity Very toxic to aquat Components Piperonyl Butoxide (CAS 51-0 Aquatic Fish Pyrethrins (CAS 8003-34-7) Aquatic Crustacea Fish Permethrin (CAS 52645-53-1) Aquatic	53-1) 3 Not This product is not expected to cause Not classified. Not classified. Not an aspiration hazard. tic life with long lasting effects. Species 13-6) LC50 Rainbow trout,donal (Oncorhynchus myk EC50 Water flea (Daphnia LC50 Brown trout (Salmo	e reproductive or developmental effects. Test Results dson trout 0.0027 - 0.0043 mg/l, 96 hours (ss) 0.018 - 0.032 mg/l, 48 hours

\* Estimates for product may be based on additional component data not shown.

Persistence and degradabilityNo data is available on the degradability of this product.Bioaccumulative potential

Partition coefficient n-	octanol / water (log Kow)
Permethrin	6.5
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

This product meets the exception requirements of section 1.17 "limited quantities exemption" as a limited quantity and may be shipped as a limited quantity.

TDG	UN3082
UN number	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (INT KUUS REG 31247 0.25
UN proper shipping name	PERM LIQUID)
Transport hazard class(es)	9

Class	9
Subsidiary risk	-
Packing group	III Yes
Environmental hazards	res

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

#### ΙΑΤΑ

UN number	UN1993
UN proper shipping name	Flammable liquid, n.o.s. (C9 - C11 Isoalkanes)
Transport hazard class(es)	
Class	3
Subsidiary risk	
Packing group	III
Environmental hazards	yes
ERG Code	3L
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 with restrictions.
Cargo aircraft only	Allowed with restrictions.

#### IMDG

UN number	UN1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (C9 - C11 Isoalkanes)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	yes
EmS	F-E, S-E

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. Not established. Transport in bulk according to

Annex II of MARPOL 73/78 and the IBC Code IATA; IMDG





Marine pollutant



**General information** 

IMDG Regulated Marine Pollutant.

## 15. Regulatory information

## Canadian regulations

Controlled Drugs and Subst	ances Act	
Not regulated.		
Export Control List (CEPA 1	999, Schedule 3)	
Not listed.		
Greenhouse Gases		
Not listed.		
Precursor Control Regulation	ons	
Not regulated.		
International regulations		
Stockholm Convention		
Not applicable. Rotterdam Convention		
Not applicable.		
Kyoto protocol		
Not applicable. Montreal Protocol		
Not applicable. Basel Convention		
Not applicable.		
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)	No
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

Country(s) or region	Inventory name C	On inventory (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No
	Toxic Substances Control Act (TSCA) Inventory	

\*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	
Issue date	05-16-2023
Version #	01
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
Revision information	This document has undergone significant changes and should be reviewed in its entirety.