



## 1. Identification

Product identifier	Deka Duration Lithium Ion Battery
Other means of identification	None.
Recommended use	Battery back-up applications.
<b>Recommended restrictions</b>	None known.
Manufacturer/Importer/Supplier/	Distributor information
Manufacturer/Supplier	KCM Marketing, Inc., dba MK Battery, a subsidiary of East Penn Manufacturing Co, Inc.
Address	1631 South Sinclair Street, Anaheim, CA. 92806
Telephone number	714-937-1033
Contact person	MK Battery Customer Service
Emergency telephone	USA/Canada: CHEMTREC (800) 424-9300, Outside USA 1 (703) 527-3887
number E-mail	durationsupport@dekabatteries.com

# 2. Hazard(s) identification

( <i>)</i>		
Physical hazards	Flammable liquids Category 3	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity, repeated exposure	Category 1 (bone, teeth)
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 3
OSHA defined hazards	Not classified.	
Label elements		
Signal word	Danger	
Hazard statement		nly represent a hazard if the integrity of the cell or or electrically abused. The below are the hazards
	Flammable liquid and vapor. Causes skin irrit damage to organs (bone, teeth) through prolo life. Harmful to aquatic life with long lasting eff	nged or repeated exposure. Very toxic to aquatic
Precautionary statement		
Prevention	closed. Ground/bond container and receiving e electrical/ventilating/lighting equipment. Use o measures against static discharge. Do not bre	nly non-sparking tools. Take precautionary athe dust/fume/gas/mist/vapors. Do not eat, drink or ve gloves/protective clothing/eye protection/face
Response	Get medical advice/attention. Get medical adv skin (or hair): Take off immediately all contami	guish. If skin irritation occurs: Get medical ng and wash it before reuse. If eye irritation persists: rice/attention if you feel unwell. Collect spillage. If on inated clothing. Rinse skin with water/shower. If in ninutes. Remove contact lenses, if present and easy

StorageStore in a well-ventilated place. Keep cool. Store as indicated in Section 7.DisposalDispose of contents/container in accordance with local/regional/national/international regulations.Hazard(s) not otherwise<br/>classified (HNOC)Presents a physical hazard which is not otherwise classified. Incorrect handling or storage of<br/>lithium lon batteries may cause thermal runaway resulting in fire or explosion.Supplemental informationKeep away from heat/sparks/open flames/hot surfaces. - No smoking. Under normal conditions of<br/>processing and use, exposure to the chemical constituents in this product is unlikely. The<br/>chemicals are contained in a sealed aluminum housing. Risk of exposure occurs only if the<br/>battery is mechanically, thermally or electrically abused. If this occurs, exposure to the electrolyte<br/>solution contained within can occur by Inhalation, Ingestion, eye contact and skin contact.Additional Notes:The liquid contained in the battery is flammable. CAUTION: Do not dispose in

Additional Notes: The liquid contained in the battery is flammable. CAUTION: Do not dispose in fire, mix with other battery types, charge above specified rate, connect improperly, or short circuit, which may result in overheating, explosion or leakage of cell contents. Do not open or disassemble. Do not puncture, deform or incinerate.

### 3. Composition/information on ingredients

**Mixtures** 

		CAS number	%
Lithium Iron Phosphate Carbor Coated (LiFeP04)		15365-14-7	36.53
Graphite		7782-42-5	19.39
Copper		7440-50-8	9.74
Carbonic Acid, Ethyl Methyl Carbonate		623-53-0	9.25
Aluminium		7429-90-5	6.5
Ethylene carbonate		96-49-1	5.84
Polypropylene		9003-07-0	5.39
Lithium hexafluorophosphate (?	l-)	21324-40-3	2.75
Propylene carbonate		108-32-7	2.04
Polyvinylidene Fluoride		24937-79-9	1.31
Diethyl carbonate		105-58-8	1.03
Boehmite		1318-23-6	0.19
Carboxymethyl Cellulose		9000-11-7	0.03
Carbon Black		1333-86-4	0.01
	The manufacturer has claimed the exact p Communication Standard.	percentage as trade secret under t	he OSHA Hazard
4. First-aid measures			
Inhalation	Exposure to contents of an open or dama symptoms develop or persist.	ged battery: Move to fresh air. Cal	l a physician if
Inhalation Skin contact		ged battery: Remove contaminate	d clothing immediately
	symptoms develop or persist. Exposure to contents of an open or dama and wash skin with soap and water. If skin	ged battery: Remove contaminate n irritation occurs, get medical advi ged battery: Do not rub eyes. Imm move contact lenses, if present ar	d clothing immediately ice/attention. Wash ediately flush eyes wit
Skin contact	symptoms develop or persist. Exposure to contents of an open or dama and wash skin with soap and water. If skin contaminated clothing before reuse. Exposure to contents of an open or dama plenty of water for at least 15 minutes. Re	ged battery: Remove contaminate n irritation occurs, get medical advi ged battery: Do not rub eyes. Imm move contact lenses, if present ar /. ged battery: Immediately rinse mo	d clothing immediately ice/attention. Wash ediately flush eyes wit id easy to do. Continu uth and drink plenty of
Skin contact Eye contact	symptoms develop or persist. Exposure to contents of an open or dama and wash skin with soap and water. If skin contaminated clothing before reuse. Exposure to contents of an open or dama plenty of water for at least 15 minutes. Re rinsing. Get medical attention immediately Exposure to contents of an open or dama	ged battery: Remove contaminate n irritation occurs, get medical advi ged battery: Do not rub eyes. Imm move contact lenses, if present ar /. ged battery: Immediately rinse mo instructions. Get medical attention this material does not pose a risk Causes severe eye irritation. Symp lurred vision. Dusts may irritate the	d clothing immediately ice/attention. Wash ediately flush eyes wit nd easy to do. Continue uth and drink plenty of if symptoms occur. to health. Exposure to ptoms may include
Skin contact Eye contact Ingestion Most important symptoms/effects, acute and	symptoms develop or persist. Exposure to contents of an open or dama and wash skin with soap and water. If skin contaminated clothing before reuse. Exposure to contents of an open or dama plenty of water for at least 15 minutes. Re- rinsing. Get medical attention immediately Exposure to contents of an open or dama water. Call an ambulance and take these Under normal conditions of intended use, contents of an open or damaged battery: stinging, tearing, redness, swelling, and b	ged battery: Remove contaminate n irritation occurs, get medical advi ged battery: Do not rub eyes. Imm move contact lenses, if present ar , ged battery: Immediately rinse mo instructions. Get medical attention this material does not pose a risk Causes severe eye irritation. Symp lurred vision. Dusts may irritate the cause redness and pain. ged battery: Provide general supp	d clothing immediately ice/attention. Wash ediately flush eyes with d easy to do. Continue uth and drink plenty of if symptoms occur. to health. Exposure to ptoms may include e respiratory tract, skin ortive measures and

# Eiro fighting massures

5. Fire-fighting measures	
Suitable extinguishing media	Dry chemical powder (ABC). Carbon dioxide (CO2). Foam.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	The liquid contained in the battery is flammable. Containers can burst violently when heated, due to excess pressure build-up. Fire may produce irritating, corrosive and/or toxic gases. During water application, caution is advised as burning pieces of flammable particles may be ejected from the fire. Carbon oxides (COx). Hydrogen Fluoride. Metal oxides.
Special protective equipment and precautions for firefighters	Wear self-contained breathing apparatus and protective clothing.
Fire fighting equipment/instructions	Use standard firefighting procedures and consider the hazards of other involved materials.
Specific methods	In the event of fire do not breathe fumes. Copious amounts of cold water or water-based foam may be used to cool burning cells or batteries.
General fire hazards	Under normal use, the battery does not exhibit flammable properties. In the event that the battery is abused and disassembly of the battery occurs resulting in exposure of internal components, the exposed solution, may be flammable and/or corrosive. Exposure to excessive heat may lead to venting or rupture of the sealed battery, exposing the internal components which may be corrosive and/or flammable. Vented gas would be flammable when in sufficient concentration.
6. Accidental release meas	sures
Personal precautions, protective equipment and emergency procedures	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist/vapors/spray. Leak from a damaged or opened battery: Avoid contact with skin and eyes.
Methods and materials for containment and cleaning up	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Leak from a damaged or opened battery: Wipe up with non combustible absorbent material. Place in a designated labeled waste container, dispose in accordance with local regulations.
Environmental precautions	Do not contaminate water sources or sewer.
7. Handling and storage	
Precautions for safe handling	Keep out of reach of children. Do not breathe fume/vapors/dust. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Batteries are designed to be recharged. However, improperly charging a cell or battery may cause the product to flame or leak. Use only approved chargers and procedures. Do not allow conductive material to touch the battery terminals. A dangerous short-circuit may occur and cause battery failure and fire. CAUTION: Do not dispose in fire, mix with other battery types, charge above specified rate, connect improperly, or short circuit, which may result in overheating, explosion or leakage of cell contents. Do not open, disassemble, crush or burn battery. Do not expose battery to extreme heat or fire. Extended short-circuiting creates high temperatures in the cell. High temperatures can cause burns in skin or cause the cell to fume. Avoid reversing the battery polarity within the battery assembly. To do so may cause the cell to flame or leak.
Conditions for safe storage, including any incompatibilities	Avoid mechanical or electrical abuse. Keep out of reach of children. Batteries should be separated from other materials and stored in a non-combustible, well ventilated structure with sufficient clearance between walls and battery stacks. Do not place batteries near heating equipment. Store in a cool, dry place. Do not store batteries in a manner that allows terminals to short circuit. Store away from incompatible materials (See Section 10). Store batteries in a cool dry ventilated area that is subject to little temperature change. Do not

place batteries near heating equipment or expose to direct sunlight for long periods.

# 8. Exposure controls/personal protection

#### **Occupational exposure limits**

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

Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Carbon Black (CAS 1333-86-4)	PEL	3.5 mg/m3	
Copper (CAS 7440-50-8)	PEL	1 mg/m3	Dust and mist.
		0.1 mg/m3	Fume.
Graphite (CAS 7782-42-5)	PEL	5 mg/m3	Respirable fraction.

Components	Туре		V 6	alue	Form
			15	i mg/m3	Total dust.
Lithium hexafluorophosphate (1-) (CAS 21324-40-3)	PEL		2.	5 mg/m3	
US. OSHA Table Z-2 (29 CFF Components	8 1910.1000) Type		Va	alue	Form
Lithium hexafluorophosphate (1-) (CAS 21324-40-3)	TWA		2.	5 mg/m3	Dust.
US. OSHA Table Z-3 (29 CFF Components	t 1910.1000) Туре		Va	alue	
Graphite (CAS 7782-42-5)	TWA		15	mppcf	
US. ACGIH Threshold Limit Components	Values Type		Va	alue	Form
Aluminium (CAS 7429-90-5)	TWA		-		-
Boehmite (CAS 1318-23-6)	TWA			mg/m3 mg/m3	Respirable fraction. Respirable fraction.
				•	•
Carbon Black (CAS 1333-86-4)	TWA			mg/m3	Inhalable fraction.
Copper (CAS 7440-50-8)	TWA			mg/m3	Dust and mist.
			0.2	2 mg/m3	Fume.
Graphite (CAS 7782-42-5)	TWA		2	mg/m3	Respirable fraction.
Lithium hexafluorophosphate (1-) (CAS 21324-40-3)	TWA		2.9	5 mg/m3	
US. NIOSH: Pocket Guide to Components	Chemical Hazards Type		Va	alue	Form
Aluminium (CAS 7429-90-5)	TWA		5	mg/m3	Welding fume or pyrophoric powder.
			5 (	mg/m3	Respirable.
			10	) mg/m3	Total
Carbon Black (CAS 1333-86-4)	TWA		3.	5 mg/m3	
Copper (CAS 7440-50-8)	TWA		1 :	mg/m3	Dust and mist.
			0.	1 mg/m3	Fume.
Graphite (CAS 7782-42-5)	TWA		2.	5 mg/m3	Respirable.
Lithium hexafluorophosphate (1-) (CAS 21324-40-3)	TWA		2.	5 mg/m3	
ogical limit values					
ACGIH Biological Exposure	Indices alue	Determinant	Specimen	Sampling	Time
	mg/l	Fluoride	Urine	*	
2	mg/l	Fluoride	Urine	*	

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Appropriate engineering controls	Under conditions of normal use, batteries do not emit hazardous or regulated substancesNo engineering controls are required for handling batteries that have not been damaged.
	Leak from a damaged or opened battery: Explosion proof exhaust ventilation should be used. Good general ventilation 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. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. Provide eyewash station and safety shower.
Individual protection measure	s, such as personal protective equipment
Eye/face protection	Not necessary under normal conditions. Leak from a damaged or opened battery: Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Not required under normal conditions of handling. Leak from a damaged or opened battery: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Skin protection	
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	None under normal conditions.
	Leak from a damaged or opened battery: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. In the event of a fire, wear SCBA and thermally protective outer garments. Use an approved respirator if there is a risk of exposure to dust at levels exceeding the exposure limits.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	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. Contaminated work clothing should not be allowed out of the workplace.
0 Physical and chomica	Interparties

#### 9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Battery Module containing liquid flammable electrolyte.
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	Not available.
Flash point	This product is considered stable. However, avoid contact with ignition sources. The flash point of Carbonic Acid, Ethyl Methyl CAS# 623-53-0 is 23 °C. This is the major constituant of the liquid flammable electolyte.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
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)	Insoluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.

Decomposition temperature	Not available.
Viscosity	This product is in a solid state.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

### 10. Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	The product is stable under normal conditions of use, storage and transport.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use. However, avoid contact with ignition sources (e.g. sparks, open flame, heated surfaces).
Conditions to avoid	Do not allow conductive material to touch the battery terminals. A dangerous short-circuit may occur and cause battery failure and fire. Do not puncture, deform, or incinerate. Heat, sparks, flames, elevated temperatures.
Incompatible materials	Strong oxidizers.

Hazardous decomposition	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition. Carbon
products	oxides. Hydrogen fluoride. Metal oxides.

### 11. Toxicological information

#### Information on likely routes of exposure

Inhalation	No inhalation hazard under normal conditions. Exposure to contents of an open or damaged battery: Dust may irritate respiratory system. Prolonged inhalation may be harmful.
Skin contact	Exposure to contents of an open or damaged battery: Causes skin irritation.
Eye contact	Under normal conditions of intended use, this product does not pose an eye hazard. In the event that cell or battery is damaged, open, or leaking – irritation with injury resulting in permanent impairment of vision and chemical burn may occur.
Ingestion	Exposure to contents of an open or damaged battery: May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms related to the physical, chemical and toxicological characteristics	Under normal conditions of intended use, this material does not pose a risk to health. Exposure to contents of an open or damaged battery: Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Dusts may irritate the respiratory tract, skin and eyes. Coughing. Skin irritation. May cause redness and pain.

#### Information on toxicological effects

Acute toxicity	Not known. Not expected to be acutely toxic.		
Components	Species	Test Results	
Diethyl carbonate (CAS 105-58-8)			
<u>Acute</u>			
Other			
LD50	Rat	8500 mg/kg	
Propylene carbonate (CAS 108-32	2-7)		
<u>Acute</u>			
Dermal			
LD50	Rabbit	> 2000 mg/kg	
Oral			
LD50	Rat	> 5000 mg/kg	
Skin corrosion/irritation	Exposure to contents of an open or damaged battery: Causes skin irritation.		
Serious eye damage/eye irritation	Exposure to contents of an open or damaged battery: Causes serious eye irritation.		
Respiratory or skin sensitization	1		
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	Exposure to contents of an open or damaged battery: This product is not expected to cause skin sensitization.		
Germ cell mutagenicity	No data available to indicate product or any compon mutagenic or genotoxic.	able to indicate product or any components present at greater than 0.1% are genotoxic.	

Carcinogenicity	Exposure to c	contents of an ope	en or damaged batterv:	Risk of cancer cannot be excluded with
	prolonged ex	posure.		
IARC Monographs. Overall		Carcinogenicity		
Carbon Black (CAS 1333			2B Possibly carcinoger	
Polypropylene (CAS 900 NTP Report on Carcinogen				
Carbon Black (CAS 1333	-			Carcinogen.
OSHA Specifically Regulate	ed Substances	(29 CFR 1910.10	01-1053)	
Not listed.				
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.			
Specific target organ toxicity - single exposure	Not classified.			
Specific target organ toxicity - repeated exposure	Exposure to contents of an open or damaged battery: Causes damage to organs through prolonged or repeated exposure: Bones. Teeth.			
	Lithium hexafluorophosphate (CAS# 21324-40-3): Causes damage to organs (bone, teeth) through prolonged or repeated exposure.			
Aspiration hazard	Not an aspira	ition hazard.		
Chronic effects	Prolonged inf	nalation may be h	armful. Prolonged expos	sure may cause chronic effects.
12. Ecological information	า			
Ecotoxicity	Very toxic to	aquatic life. Harm	ful to aquatic life with lo	ng lasting effects.
Components	-	Species	·	Test Results
Copper (CAS 7440-50-8)		•		
Aquatic				
Chronic				
Other	NOEC	Juga plicifera		6 µg/l
Graphite (CAS 7782-42-5)				
Aquatic				
Fish	LC50	Oncorhynchus	mykiss	> 1000 mg/l
Persistence and degradability	No data is av	ailable on the deg	gradability of any ingred	ients in the mixture.
Bioaccumulative potential	No data avail	able.		
Partition coefficient n-octar		Kow)		
Diethyl carbonate (CAS 105-	No data avail	abla	1.21	
Mobility in soil				
Other adverse effects	None known.			
13. Disposal consideratio	ns			
Disposal instructions	Recycle the batteries as the primary disposal method. Collect and reclaim or dispose in sealed containers at licensed waste disposal site.		Collect and reclaim or dispose in sealed	
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 in accordance with local regulations. This product and its container must be disposed of in a safe manner.			
Contaminated packaging	If contaminated by a leaking or damaged battery, empty containers should be taken to an approved waste handling site for recycling or disposal.			
14. Transport information				
DOT				
UN number	UN3480			
UN proper shipping name	Lithium Ion Batteries			
Transport hazard class(es)	0			
Class Subsidiary risk	9			
Subsidiary risk Label(s)	- Lithium Batte	rv		
	Littlain Datto	.,		

Packing group	-		
Environmental hazards			
Marine pollutant	The battery as shipped would not be a Marine Pollutant / Environmentally hazardous. Read safety instructions, SDS and emergency procedures before handling.		
Special precautions for user Packaging exceptions	185		
Packaging non bulk	185		
Packaging bulk	None		
IATA			
UN number	UN3480		
UN proper shipping name	Lithium Ion Batteries		
Transport hazard class(es)			
Class	9		
Subsidiary risk	-		
Label(s)	Lithium Battery		
Packing group	-		
Environmental hazards	The battery as shipped would not be a Marine Pollutant / Environmentally hazardous.		
	Read safety instructions, SDS and emergency procedures before handling.		
IMDG			
UN number	UN3480		
UN proper shipping name Transport hazard class(es)	Lithium Ion Batteries		
• • • •	0		
Class Subsidiary risk	9		
Label(s)	- 9A		
Packing group	-		
Environmental hazards			
Marine pollutant	The battery as shipped would not be a Marine Pollutant / Environmentally hazardous.		
EmS	F-A, S-I		
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.		
Transport in bulk according to	Not applicable.		
Annex II of MARPOL 73/78 and			
the IBC Code			
15. Regulatory information			
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.		
TSCA Section 12(b) Exp	ort Notification (40 CFR 707, Subpt. D)		
Lithium Iron Phospha (CAS 15365-14-7)	e Carbon Coated (LiFeP04) 1.0 % One-Time Export Notification only.		
CERCLA Hazardous Sub	stance List (40 CFR 302.4)		
Copper (CAS 7440-50			
Diethyl carbonate (CA	·		
SARA 304 Emergency re	lease notification		
Not regulated.			
	ated Substances (29 CFR 1910.1001-1053)		
Not listed.			
Toxic Substances Control Ac	ct (TSCA)All components of the mixture on the TSCA 8(b) inventory are designated "active".		
Superfund Amendments and Rea	uthorization Act of 1986 (SARA)		
SARA 302 Extremely hazard	bus substance		
Not listed.			
SARA 311/312 Hazardous chemical	Yes		
Classified hazard	Flammable (gases, aerosols, liquids, or solids)		
categories	Skin corrosion or irritation		
	Serious eye damage or eye irritation		
	Specific target organ toxicity (single or repeated exposure) Hazard not otherwise classified (HNOC)		

SARA 313 (TRI reporting) Chemical name		CAS number	% by wt.	
Copper		7440-50-8	9.74	
her federal regulations				
-	ion 112 Hazardous Air Poll	utants (HAPs) List		
Not regulated.	ion 112(r) Accidental Relea		FR 68.130)	
Not regulated.				
Safe Drinking Water Act (SDWA)	Contains component(s)	regulated under the S	Safe Drinking Water Act.	
S state regulations				
US. Massachusetts RTK	- Substance List			
Carbon Black (CAS 13 Copper (CAS 7440-50 Diethyl carbonate (CA Ethylene carbonate (C Graphite (CAS 7782-4	-8) S 105-58-8) AS 96-49-1) 2-5)			
-	and Community Right-to-Ki	now Act		
	-8) S 105-58-8)			
Carbon Black (CAS 1		KIIOW LAW		
Copper (CAS 7440-50 Diethyl carbonate (CA Ethylene carbonate (C Graphite (CAS 7782-4 Lithium hexafluoropho US. Rhode Island RTK	S 105-58-8) AS 96-49-1)	3)		
	222 06 1)			
Carbon Black (CAS 13 Copper (CAS 7440-50 Graphite (CAS 7782-4	-8)			
California Proposition 65				
WARNING:			ng Carbon Black, which is known to the State of go to www.P65Warnings.ca.gov.	
California Propositio	n 65 - CRT: Listed date/Ca	rcinogenic substanc	e	
Carbon Black (CA US. California. Cand subd. (a))		Listed: Februa Consumer Products	ary 21, 2003 s Regulations (Cal. Code Regs, tit. 22, 69502.3,	
Aluminium (CAS Carbon Black (CA Copper (CAS 744	S 1333-86-4)	-40-3)		
ternational Inventories				
Country(s) or region	Inventory name		On inventory (yes/	'no)*
Australia	Australian Inventory of	Industrial Chemicals (		No
Canada	Domestic Substances L	•		No
Canada	Non-Domestic Substan			Yes
China	Inventory of Existing Ch	. ,	China (IECSC)	No
Europe	European Inventory of I Substances (EINECS)			No
Europe	European List of Notifie	d Chemical Substance	es (ELINCS)	No
Japan	Inventory of Existing an			No
	Evistia e Observisada List		· · ·	

Existing Chemicals List (ECL)

Korea

Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
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	22-September-2021
Revision date	02-March-2022
Version #	03
HMIS® ratings	Health: 2* Flammability: 2 Physical hazard: 0
NFPA ratings	2 0
List of abbreviations	LD50: Lethal Dose 50%. LC50: Lethal Concentration 50%. NOEC: No Observed Effect Concentration.
References	IARC Monographs. Overall Evaluation of Carcinogenicity Registry of Toxic Effects of Chemical Substances (RTECS)
Disclaimer	The information in this SDS was obtained from sources which we believe are reliable, but no warranty or representation as to its accuracy or completeness is hereby given. Users should consider the information herein only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal, the safety and health of employees and customers and the protection of the environment.