DNK-LTB1S2PPC18-HM1

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations (According to HCS-2012 APPENDIX D TO §1910.1200)

Issue date: 7/05/2023 Revision date: 7/05/2023 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form	:	Article
Product name	:	Rechargeable Lithium-ion battery (6400mAh)
Trade name	:	DNK-LTB1S2PPC18-HM1

1.2. Recommended use and restrictions on use

Recommended use	:	Built into the laser line projector and powered as a power supply
Restrictions on use	:	No information available

1.3. Supplier

Supplier

DNK POWER COMPANY LIMITED
Floor 7 ,35 Building,Tongfuyu industry park, Hua Fan Road, Da Lang Street, Bao'An District, Shenzhen City, Guangdong Province, China,518109
Sales@dnkpower.com; Lisa@dnkpower.com

Importer

KLEIN TOOLS, INC.
450 Bond Street, Lincolnshire IL 60069, USA
T 001-503-469-2165/0755-36827358
customerservice@kleintools.com

1.4. Emergency telephone number

Emergency number	:	(+1)302 202 0599

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not applicable under normal use in accordance with Occupational Safety & Health Administration (OSHA) 29 CFR 1910.1200.

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)	:	Not applicable under normal use.
Signal word (GHS US)	:	Not applicable under normal use.
Hazard statements (GHS US)	:	Not applicable under normal use.
Precautionary statements (GHS US)	:	Not applicable under normal use.

2.3. Other hazards which do not result in classification

Primary route(s) to exposure	:	This product is safe with normal use. Exposure to the ingredients contained within and/or their combustion products could be harmful. Risk of exposure occurs only if the battery is mechanically, thermally, or electrically abused and the enclosure is ruptured. If this occurs, exposure to electrolyte can occur by inhalation, ingestion, eye contact, and skin contact. The battery should not be opened or burned.
Inhalation	:	Inhalation of material from a sealed battery/cell is not an expected route of exposure. Vapors or mists from a ruptured battery may cause hazards below: (1) Fatal if inhaled. (2) May cause respiratory irritation.

(3) May cause cancer.
(4) Causes damage to lungs through prolonged or repeated exposure.

Ingestion : Swallowing of material from a sealed battery/cell is not an expected route of exposure. Swallowing the contents of a ruptured battery is harmful.

Skin : Contact between the skin and battery will not cause harm. Contact with the contents of a ruptured cell/battery can cause severe irritation or burns to the skin.

Eye : Contact between the eye and battery will not cause harm. Contact with the contents of a ruptured cell/battery can cause severe irritation or burns to the eye.

Ecological information : Harmful to aquatic life with long lasting effects.

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Cobalt lithium manganese nickel oxide	CAS-No.: 182442-95-1	45
Carbon	CAS-No.: 7440-44-0	20
Phosphate(1-), hexafluoro-, lithium	CAS-No.: 21324-40-3	15
Copper	CAS-No.: 7440-50-8	8
Aluminum	CAS-No.: 7429-90-5	8
1,1-Difluoroethylene polymer	CAS-No.: 24937-79-9	3
Styrene-butadiene copolymer	CAS-No.: 9003-55-8	1

These chemicals are contained in a sealed can, inside a sealed container. Risk of exposure only occurs if battery is mechanically, thermally or electrically abused.

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention. Contact of electrolyte and extruded lithium with skin and eyes should be avoided.

First-aid measures after inhalation : Not an expected route of exposure.
If contents of an opened battery are inhaled, remove source of contamination or move victim to fresh air. Keep at rest in a position comfortable for breathing. Call a physician immediately.

First-aid measures after skin contact : Not an expected route of exposure.
Contact with the contents of an opened battery can cause burns. If skin contact occurs,as quickly as possible remove contaminated clothing, shoes and leather goods. Immediately flush with lukewarm, gently flowing water for at least 30 minutes. If irritation or pain persists, seek medical attention. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

First-aid measures after eye contact	:	Not an expected route of exposure. Contact with the contents of an opened battery can cause burns. If eye contact occurs, immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes while holding the eyelids open. Neutral saline solution may be used as soon as it is available. If necessary, continue flushing during transport to emergency care facility. Take care not to rinse contaminated water into the unaffected eye or onto face. Quickly transport victim to an emergency care facility.
First-aid measures after ingestion	:	Not an expected route of exposure. Contact with the contents of an opened battery can cause burns. If ingestion of contents occurs, NEVER give anything by mouth if victim israpidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. Quickly transport victim to an emergency care facility.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	:	Direct contact of internal contents may cause hazards as below: Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Fatal if inhaled. May cause respiratory irritation. May cause cancer. Causes damage to lungs through prolonged or repeated exposure.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	:	Water, dry chemical powder, carbon dioxide (CO_2) and foam are most effective to extinguish a battery fire.
Unsuitable extinguishing media	:	Do not use small quantities of water. If water spray is used, it must be continually applied until fire is extinguished.

5.2. Specific hazards arising from the chemical

Fire hazard	:	Battery may vent when subjected to excessive heat-exposing, fire or over voltage condition. Risk of explosion by fire is anticipated if batteries are disposed of in fire. Firefighting water runoff and dilution water may be toxic and corrosive and may cause adverse environmental impacts. Burning cells may ignite other cells or objects within close proximity.
Hazardous decomposition products in case of fire	:	If a cell vents and exposes lithium hexafluorophosphate mixed with water vapor, this could create a poisonous gas of hydrogen-fluoride gas. Degradation of the cell by heat may produce hazardous fumes of lithium, cobalt-manganese, hydrofluoric acid, hydrogen and oxides of carbon, aluminum, lithium, copper and cobalt.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	:	Large lithium-ion battery fires should only be extinguished by properly equipped fire fighters with training specific to lithium ion battery fires. Approach from upwind.

		Access forbidden to unauthorized personnel. Appropriate self-contained breathing apparatus may be required. Avoid breathing (dust, vapor, mist, gas). Collect contaminated extinguishing water separately and must not enter the sewage system.
Protection during firefighting	:	Wear NIOSH/MSHA/EN469-approved self-contained breathing apparatus (SCBA) and protective clothing when fighting chemical fires.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	:	Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray. Remove all sources of ignition

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	:	Add neutralizer/absorbent, e.g. sand or vermiculite, to spill area. Sweep or shovel spilled material and absorbent and place in approved container. Dispose of any non-recyclable materials in accordance with local, state, provincial or federal regulations.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Avoid shorting the battery. Do not immerse in water. Do not disassemble or deform the battery. Do not expose to, or dispose of the battery in fire. Avoid excessive physical shock or vibration. Keep out of the reach of children. Battery must be charged in an approved charger. Never use a modified or damaged charger. Use for specified product applications only. Store in a cool, dry and well-ventilated area. Never use a battery that has suffered abuse. Refer to data sheet for safe operating instructions.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store cell in a dry location. To minimize any adverse effects on battery performance it is recommended that the cells be kept at room temperature (25°C +/- 5°C). Elevated temperatures can result in shortened cell life. Keep out of reach of children.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Cobalt lithium manganese nickel oxide (182442-95-1)

No additional information available

Carbon (7440-44-0)

No additional information available

Phosphate(1-), hexafluoro-, lithium (21324-40-3)

No additional information available

Copper (7440-50-8)

USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0.2 mg/m³ (fume)
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	0.1 mg/m³ (fume) 1 mg/m³ (dust and mist)
USA - IDLH - Occupational Exposure Limits	
IDLH	100 mg/m³ (dust, fume and mist)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL TWA	1 mg/m³ (dust and mist) 0.1 mg/m³ (fume)

Aluminum (7429-90-5)

USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	1 mg/m³ (respirable particulate matter)
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	15 mg/m³ (total dust) 5 mg/m³ (respirable fraction)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL TWA	10 mg/m³ (total dust) 5 mg/m³ (respirable dust)

1,1-Difluoroethylene polymer (24937-79-9)

No additional information available

Styrene-butadiene copolymer (9003-55-8)
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Use local exhaust ventilation or other engineering controls to control sources of dust, mist, fume and vapor.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Not necessary under normal conditions. In case of battery rupture or leakage, wear rubber apron and nitrile, neoprene, or natural rubber gloves when handling an open or leaking battery. Inspect gloves prior to use. Change disposable gloves within 30 minutes of obvious contamination by electrolyte. Remove dirty gloves by appropriate technique. Do not touch outer surface of glove.
Eye protection:
Not necessary under normal conditions. In case of battery rupture or leakage, wear long sleeved clothing.
Skin and body protection:
Not necessary under normal conditions. In case of battery rupture or leakage, wear
Respiratory protection:
Not necessary under normal conditions. In case of battery venting or rupture, inside an enclosed space, use NIOSH approved or equivalent self-contained breathing apparatus.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Color	:	No data available
Odor	:	No data available
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	Not applicable
Boiling point	:	No data available
Flash point	:	Not applicable
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Non flammable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water (Log	:	No data available

Pow)

Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	No data available
Explosion limits	:	Not applicable
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).
Avoid mechanical or electrical abuse, including external short circuit of battery, deformation by crush, direct sunlight, high humidity, temperatures exceeding 60°C, puncture, sources of ignition, or installation with incorrect polarity.

10.5. Incompatible materials

Strong bases, combustible organic materials, reducing agents, strong oxidizers, and sea water or other electrically conductive liquids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.
A compromised battery may emit irritating or toxic fumes and gases, including metallic oxide, hydrogen fluoride, carbon monoxide, and carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Harmful if swallowed.
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Fatal if inhaled.

Cobalt lithium manganese nickel oxide (182442-95-1)	
LC50 Inhalation - Rat	0.05 – 0.5 mg/l/4h

Carbon (7440-44-0)	
LD50 oral rat	> 10000 mg/kg

Phosphate(1-), hexafluoro-, lithium (21324-40-3)	
LD50 oral rat	50 – 300 mg/kg body weight
ATE US (oral)	100 mg/kg body weight

Copper (7440-50-8)	
LC50 Inhalation - Rat	> 5.11 mg/l/4h

Aluminum (7429-90-5)	
LC50 Inhalation - Rat	> 0.888 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : May cause cancer.

Cobalt lithium manganese nickel oxide (182442-95-1)	
IARC group	1 - Carcinogenic to humans

Styrene-butadiene copolymer (9003-55-8)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Phosphate(1-), hexafluoro-, lithium (21324-40-3)	
NOAEL (animal/male, F0/P)	500 mg/kg body weight

STOT-single exposure : May cause respiratory irritation.
STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Phosphate(1-), hexafluoro-, lithium (21324-40-3)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified
Viscosity, kinematic : Not applicable
Symptoms/effects : Direct contact of internal contents may cause hazards as below:
Harmful if swallowed.
Causes severe skin burns and eye damage.
Causes serious eye damage.
Fatal if inhaled.
May cause respiratory irritation.
May cause cancer.
Causes damage to lungs through prolonged or repeated exposure.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Phosphate(1-), hexafluoro-, lithium (21324-40-3)	
EC50 96h - Algae	> 100 mg/l
NOEC chronic fish	4 mg/l, 21d

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Products released into the natural environment will slowly degrade and may release harmful or toxic substances. Cells are not intended to be released into water or on land but should be disposed or recycled according to local regulations.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Cell recycling is encouraged.The battery packs internal cell's contents should not be released into the environment, do not dump into any sewers, on the ground or into any body of water. Do not dispose of battery packs in fire. Used battery packs should be stored in their original packaging. Ensure packs are stored in a manner to prevent short circuit of the cells. Battery pack should be fully discharged before recycling. Do break battery pack open before disposal. Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No : UN3481
UN-No. (TDG) : UN3481
UN-No. (IMDG) : UN3481
UN-No. (IATA) : UN3481

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Lithium ion batteries contained in equipment
Proper Shipping Name (TDG) : LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
Proper Shipping Name (IMDG) : LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT
Proper Shipping Name (IATA) : Lithium ion batteries contained in equipment

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : 9

Hazard labels (DOT) : 9

TDG

Transport hazard class(es) (TDG) : 9
Hazard labels (TDG) : 9

IMDG

Transport hazard class(es) (IMDG) : 9
Hazard labels (IMDG) : 9

IATA

Transport hazard class(es) (IATA) : 9A
Hazard labels (IATA) : 9A

14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

UN-No.(DOT) : UN3481
DOT Packaging Exceptions (49 CFR 173.xxx) : 185
DOT Packaging Non Bulk (49 CFR 173.xxx) : 185
DOT Packaging Bulk (49 CFR 173.xxx) : 185
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 35 kg
DOT Vessel Stowage Location : A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.

TDG

UN-No. (TDG)	:	UN3481
Explosive Limit and Limited Quantity Index	:	0
Excepted quantities (TDG)	:	E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	5 kg
Emergency Response Guide (ERG) Number	:	147

IMDG

Special provision (IMDG)	:	188, 230, 310, 348, 360, 376, 377, 384, 387, 390
Limited quantities (IMDG)	:	0
Excepted quantities (IMDG)	:	E0
Packing instructions (IMDG)	:	P903, P908, P909 , P910, P911, LP903, LP904, LP905, LP906
EmS-No. (Fire)	:	F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	:	S-I - SPILLAGE SCHEDULE India - FLAMMABLE SOLIDS (REPACKING POSSIBLE)
Stowage category (IMDG)	:	A
Stowage and handling (IMDG)	:	SW19

IATA

PCA Excepted quantities (IATA)	:	E0
PCA Limited quantities (IATA)	:	Forbidden
PCA limited quantity max net quantity (IATA)	:	Forbidden
PCA packing instructions (IATA)	:	967
PCA max net quantity (IATA)	:	5kg
CAO packing instructions (IATA)	:	967
CAO max net quantity (IATA)	:	35kg
Special provision (IATA)	:	A48, A88, A99, A154, A164, A181, A185, A213, A220
ERG code (IATA)	:	12FZ

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Cobalt lithium manganese nickel oxide	182442-95-1	Present	Active	PMN;S;5E
Carbon	7440-44-0	Present	Active	
Phosphate(1-), hexafluoro-, lithium	21324-40-3	Present	Active	PMN
Copper	7440-50-8	Present	Active	
Aluminum	7429-90-5	Present	Active	
1,1-Difluoroethylene polymer	24937-79-9	Present	Active	XU
Styrene-butadiene copolymer	9003-55-8	Present	Active	XU

Copper (7440-50-8)	
Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm

Aluminum (7429-90-5)
Subject to reporting requirements of United States SARA Section 313

15.2. International regulations

CANADA

Cobalt lithium manganese nickel oxide (182442-95-1)
Listed on the Canadian DSL (Domestic Substances List)

Carbon (7440-44-0)
Listed on the Canadian DSL (Domestic Substances List)

Phosphate(1-), hexafluoro-, lithium (21324-40-3)
Listed on the Canadian NDSL (Non-Domestic Substances List)

Copper (7440-50-8)
Listed on the Canadian DSL (Domestic Substances List)

Aluminum (7429-90-5)
Listed on the Canadian DSL (Domestic Substances List)

1,1-Difluoroethylene polymer (24937-79-9)
Listed on the Canadian DSL (Domestic Substances List)

Styrene-butadiene copolymer (9003-55-8)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Carbon (7440-44-0)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Phosphate(1-), hexafluoro-, lithium (21324-40-3)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Copper (7440-50-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Aluminum (7429-90-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Cobalt lithium manganese nickel oxide (182442-95-1)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Carbon (7440-44-0)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on TECI (Thailand Existing Chemicals Inventory)

Phosphate(1-), hexafluoro-, lithium (21324-40-3)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on TECI (Thailand Existing Chemicals Inventory)

Copper (7440-50-8)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
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Listed on NZIoC (New Zealand Inventory of Chemicals)
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Listed on the TCSI (Taiwan Chemical Substance Inventory)
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Listed on TECI (Thailand Existing Chemicals Inventory)

Aluminum (7429-90-5)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Aluminum (7429-90-5)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
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Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on TECI (Thailand Existing Chemicals Inventory)

1,1-Difluoroethylene polymer (24937-79-9)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on TECI (Thailand Existing Chemicals Inventory)

Styrene-butadiene copolymer (9003-55-8)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on TECI (Thailand Existing Chemicals Inventory)

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations (According to HCS-2012 APPENDIX D TO §1910.1200)

Issue date	:	6/27/2023
Revision date	:	6/27/2023
Data sources	:	ECHA. Loli.
Training advice	:	Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	:	No information available.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.