

Common Name: LITHIUM-ION BATTERY PACKS (LESS THAN OR EQUAL TO 100 WATT HOURS)

Manufacturer: STANLEY BLACK & DECKER

SDS Revision Date: 3/24/2020

SDS Format: GHS-US

Item Number(s): 11A164, 11A165, 11A166, 11A168, 11A170, 11A172, 11A173, 11A177, 11A178, 11A179, 11A180, 11A181, 18E810, 205FR4, 20UH17, 21RV40, 21RV43, 21RV44, 21RV46, 21RV47, 21RV48, 21RV49, 24T863, 24T864, 24T865, 24T866, 24T867, 24T868, 24T869, 24T873, 24WY32, 24WY33, 24WY36, 24WY37, 25DU76, 25DU80, 2AEV6, 2AEW6, 2AEW7, 2LPP9, 2YA89, 2YA90, 30PL22, 30RV67, 30RV73, 30RV75, 30RV76, 30RV90, 316NH6, 316NH7, 31AC32, 31AC42, 31AC50, 31AC51, 31AC52, 326ZL0, 326ZL1, 326ZL2, 326ZL3, 326ZL4, 326ZL5, 326ZL6, 326ZL7, 326ZL8, 326ZL9, 326ZM0, 326ZM1, 326ZM2, 326ZM3, 326ZM4, 326ZM5, 326ZM6, 326ZM7, 326ZM8, 32ZU52, 339YG1, 339YG3, 34CT50, 38A893, 38A895, 38A918, 39EL90, 39EL91, 39EL92, 39EL94, 39EL98, 39RV78, 39RV81, 39RV86, 39RV92, 39RV96, 39RW07, 39RW10, 39RW18, 39RW22, 39RW25, 39RW27, 3HFX7, 400A03, 400A05, 400A07, 400A09, 400A10, 40CA29, 40CA30, 40G468, 413W21, 413W23, 413W25, 44YX78, 459R39, 459R40, 459R41, 48XP90, 48XP93, 48XP97, 48XP98, 48XR05, 48XR06, 48XR07, 48ZE86, 48ZE88, 48ZE89, 48ZE92, 48ZE93, 48ZE98, 48ZF01, 492N98, 492N99, 492P02, 492P05, 492P08, 492P12, 499M02, 499M04, 499M05, 499M06, 499M07, 499M10, 499M12, 499M13, 499M14, 499M16, 499M18, 499M20, 49EN02, 49EN03, 49EN04, 49EN05, 49EN06, 49EN07, 49EN08, 49EN09, 49EN10, 49EN11, 49EN12, 49EN13, 49EN14, 49EN15, 49EN16, 49EV12, 49EV13, 4HVV3, 4HVV4, 4HVV5, 4LEX5, 4PKU1, 4PKU2, 4PKU3, 4WXY2, 52NA74, 54DC95, 54DC96, 54DC97, 54DD02, 54DD03, 54DD04, 54DD06, 54DD07, 54DD12, 54DD14, 54DD15, 54DD16, 54DD18, 54DD21, 54DD23, 54DD25, 54JJ35, 54JJ40, 54JJ55, 54ZE51, 55AC69, 55AC70, 55AC71, 55AC72, 55AC74, 55AC75, 55AC80, 55AC81, 55AC82, 55AC84, 55AC86, 55AC88, 55AC90, 55CJ60, 55KE58, 55KE70, 55KE71, 55KE72, 55UX94, 55UX95, 55UX96, 55UX97, 55WF08, 55YE91, 55YE92, 55YE93, 56JT46, 578Z56, 578Z57, 578Z58, 578Z59, 578Z60, 58KU92, 58KU93, 58KU94, 58KU95, 58KU96, 58KU97, 58KU99, 58KV02, 58KV06, 58KV07, 58KV08, 58KV09, 58KV10, 58KV17, 58KV18, 58KV22, 58KV23, 58KV24, 58KV25, 58KV26, 58KV27, 58KV28, 58KV29, 58KV30, 58KV31, 58KV32, 58KV33, 58KV34, 58KV35, 58KV36, 58KV38, 58KV39, 58KV40, 58KV41, 58KV42, 58KV43, 58KV44, 58KV46, 58KV48, 58KV50, 58KV51, 58KV52, 58KV53, 58KV54, 58KV55, 58KV56, 58KV57, 58KV58, 58KV59, 58KV60, 58KV61, 58KV62, 58KV63, 58KV64, 58KV65, 58KV66, 58KV67, 6CXN2, 6CXN3, 6CXN4, 6CXN5, 6XVZ2

Manufacturer Model Number(s): 21RV47

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PRODUCT SAFETY DATA SHEET - NORTH AMERICA

PRODUCT NAME:

LITHIUM-ION BATTERY PACKS (LESS THAN OR EQUAL TO 100 WATT HOURS)

SECTION 1 - IDENTIFICATION



PRODUCT IDENTIFIER: DETACHABLE BATTERY PACKS

BLACK+DECKER

(7 VOLT) - VPX0111

(12 VOLT MAX) - LB12, LBX12, LBXR12, LBXR1512, BCB001, BDCB12B, BDCB12UC, BDCB12U

(20 VOLT MAX):
LB20, LBX20, LBXR20, LBXR2020, LB2X4020, LBXR20BT, LBXR2520, LB2X3020

(40 VOLT MAX): LBXR36, LBX1540, LBXR2036, LBX2040, LBX2540

(20V MAX/60 VOLT MAX): LBX1560

BOSTITCH:

(20 VOLT): BCB203, BCB204

CRAFTSMAN:

(20 VOLT): CMCB201, CMCB2011, CMCB202, CMCB204, CMCB205

(40 VOLT): CMCB98025, CMCB98026, CMCB98027

(60 VOLT MAX):
CMCB6025 BATTERY PACK IS CONSIDERED 3 BATTERIES EACH WITH A RATING OF 50 WHR WHEN NOT INSERTED IN A TOOL OR A CHARGER
CMCB6050 BATTERY PACK IS CONSIDERED 3 BATTERIES EACH WITH A RATING OF 100 WHR WHEN NOT INSERTED IN A TOOL OR A CHARGER

DEWALT:

(8 VOLT): DCB080

(12 VOLT MAX): DCB120, DCB127, DCB122, DCB124

(20 VOLT MAX):
DCB200, DCB201, DCB203, DCB203BT, DCB204, DCB204BT, DCB205, DCB205BT, DCB207, DCB230, DCB240

(20VOLT MAX/60VOLT MAX):

DCB606 WITH TRANSPORT CAP. BATTERY PACK IS CONSIDERED 3 BATTERIES EACH HAVING A WHR RATING OF 40 WHR WITH TRANSPORT CAP IN PLACE, DCB609 WITH TRANSPORT CAP. BATTERY PACK IS CONSIDERED 3 BATTERIES EACH HAVING A WHR RATING OF 60 WHR WITH TRANSPORT CAP IN PLACE, DCB609G WITH TRANSPORT CAP. BATTERY PACK IS CONSIDERED 3 BATTERIES EACH HAVING A WHR RATING OF 60 WHR WITH TRANSPORT CAP IN PLACE, DCB612 WITH TRANSPORT CAP. BATTERY PACK IS CONSIDERED 3 BATTERIES EACH HAVING A WHR RATING OF 80 WHR WITH TRANSPORT CAP IN PLACE

(36 VOLT): DC9360, DE9360, DCB361

MAC TOOLS:

(12 VOLT MAX): MB120, MB127, MBR127, MBR124

(20 VOLT MAX): MB200, MB201, MB203, MB204, MB205, MBR203, MBR204, MBR205

POP:

(18 VOLT): EBC180, EBC181, EBC182, EBC183, EBC184

PORTER-CABLE:

(18 VOLT): PC18BL, PC18BLX, PC18BLEX

(20 VOLT MAX): PCC680L, PCC681L, PCC685L, PCC682L, PCC683L

STANLEY FATMAX:

(12 VOLT MAX): FMC080L

(18/20 VOLT): FMC680L, FMC684L, FMC685L, FMC686L, FMC687L, FMC688L, FMC689L

ALEMITE:

(14.4 VOLT): 343432

(20 VOLT): 343291, 343521

JOHN DEERE:

(14.4 VOLT): TY27456

(20 VOLT): TY27458

LINCOLN:

(12 VOLT): 1261

(20 VOLT): 1871, 1872

SKF:

(20 VOLT): 280151

INTEGRAL BATTERY PACKS (CONTAINED WITHIN PRODUCTS, NON-REMOVABLE):

3.6 VOLT: SW9007+, EPP36L15+, BDCSFL20BP, BDCSFS30BP, ORB36+, N506507

7.2 VOLT:

DB72L+, ORB72L+, MPP72L+, EPP72L15D+, EPP72L20D+, G9L72+, SW9007A+, AEPP72L+, GSL700

8 VOLT: 18650-2S

10.8 VOLT:

DB108L+, 315LPF+, MPP108L+, MPP108LP+, G9L108+, FL108+, G95L108+, PH108L+, G3L108+, EPP108PVX

12 VOLT: G11L315++, G11L320++, G11L325++

14.4 VOLT: DB144L+, 415LPP+, MPP144L+, G2L144+, G3L144+, G9L144+

16 VOLT: G11L415++

18 VOLT:

DB18L+, FV18L+, 515LPP+, MPP18L+, BFH18L+, BFS18L+, G2L18+, G3L18+, G9L18+,
BFH18+, BFS18+, G11L520++, G11L525++, BF525++

21.6 VOLT: HPP6CL+, BF620L+, BF625L+

25.2 VOLT: BF720L+, BF725L+

32.4 VOLT: HPP9CL+

NOTE: + CAN BE REPLACED BY ADDITIONAL LETTERS OR NUMBERS.

NOTES:

1. A SUFFIX FOLLOWING CATALOG NUMBER (I.E., "-XJ") MAY BE USED TO DESIGNATE
END MARKET.

2. BATTERIES MAY BE SHIPPED IN KITS WITH THE PRODUCTS THEY ARE INTENDED TO
POWER.

MANUFACTURER NAME: STANLEY BLACK & DECKER

MANUFACTURER ADDRESS:

1000 STANLEY DRIVE
NEW BRITAIN, CT 06053

PHONE NUMBER: 1-860-225-5111

EMERGENCY PHONE NUMBER:

CHEMTREC: +1 703-741-5970 / +1 800-424-9300

RECOMMENDED USE: TO POWER STANLEY BLACK & DECKER PRODUCTS

USES ADVISED AGAINST: SEE INSTRUCTION MANUAL PROVIDED WITH PRODUCT.

SECTION 2 - HAZARDS IDENTIFICATION



CLASSIFICATION:

THESE BATTERIES ARE NOT CONSIDERED HAZARDOUS BY THE 2012 OSHA HAZARD
COMMUNICATION STANDARD (29 CFR 1910.1200). THE BATTERIES REFERENCED IN
THIS DOCUMENT ARE CONSIDERED "ARTICLES," NOT "MATERIALS," AS DEFINED
BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S HAZARD COMMUNICATION
STANDARD, AND AS SUCH ARE EXEMPTED FROM THE REQUIREMENTS TO PUBLISH MSDS
SHEETS PER THE CODE OF FEDERAL REGULATIONS 29 CFR 1910.1200 (B) (6) (V). THE
HAZARDS INDICATED BELOW COVER THE ABNORMAL SITUATION WHERE A BATTERY
RUPTURES.

ACUTE TOXICITY - ORAL: CATEGORY 4

ACUTE TOXICITY - DERMAL: CATEGORY 4
ACUTE TOXICITY - INHALATION (VAPORS): CATEGORY 3
ACUTE TOXICITY - INHALATION (DUSTS/MISTS): CATEGORY 2
SKIN CORROSION/IRRITATION: CATEGORY 1 SUB-CATEGORY B
SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 1
SKIN SENSITIZATION: CATEGORY 1
CARCINOGENICITY: CATEGORY 1A
REPRODUCTIVE TOXICITY: CATEGORY 1A
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): CATEGORY 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): CATEGORY 1

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

EMERGENCY OVERVIEW:

SIGNAL WORD: DANGER

HAZARD STATEMENTS:

HARMFUL IF SWALLOWED
HARMFUL IN CONTACT WITH SKIN
FATAL IF INHALED
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE
MAY CAUSE AN ALLERGIC SKIN REACTION
MAY CAUSE CANCER
MAY DAMAGE FERTILITY OR THE UNBORN CHILD
MAY CAUSE RESPIRATORY IRRITATION
CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE

SKULLS AND CROSSBONES

HEALTH HAZARD

CORROSION

EXCLAMATION MARK

THIS PRODUCT IS AN ARTICLE (BATTERY) WHICH CONTAINS CHEMICAL SUBSTANCES.
INTENDED USE OF THE PRODUCT SHOULD NOT RESULT IN EXPOSURE TO THE CHEMICAL
SUBSTANCES. IN CASE OF RUPTURE, THE ABOVE HAZARDS EXIST.

APPEARANCE: SOLID

PHYSICAL STATE: SOLID

ODOR: NONE

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS



THIS BATTERY IS AN ARTICLE AS DEFINED BY 29 CFR 1910.1200. EXPOSURE TO
HAZARDOUS INGREDIENTS IS NOT ANTICIPATED UNDER NORMAL PRODUCT USE.

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
COPPER	7440-50-8	10 - 30	*
STEEL MANUFACTURE, CHEMICALS	65997-19-5	7- 13	*

LITHIUM HEXAFLUOROPHOSPHATE (LiPF6)	21324-40-3	1 - 3	*
ALUMINUM	7429-90-5	7 - 13	*
LITHIUM MANGANESE OXIDE (LiMn2O4)	12057-17-9	5 - 10	*
LITHIUM COBALT OXIDE (LiCoO2)	12190-79-3	5 - 10	*
LITHIUM NICKEL MANGANESE COBALT OXIDE (LiNiMnCoO2)	346417-97-8	5 - 10	*
LITHIUM NICKEL COBALT ALUMINUM OXIDE (LiNiCoAlO2)	193214-24-3	5 - 10	*
NICKEL	7440-02-0	3 - 7	*
MIXED ORGANIC CARBONATES		10-14	*

* THE EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET. COMPOSITION OF ORGANIC CARBONATES IN THE ELECTROLYTE SOLVENT VARIES.

SECTION 4 - FIRST-AID MEASURES



FIRST AID: EYES

FLUSH EYES WITH LUKEWARM WATER FOR AT LEAST 30 MINUTES WHILE HOLDING THE EYELIDS OPEN. SEEK IMMEDIATE MEDICAL CARE.

FIRST AID: SKIN

REMOVE CONTAMINATED CLOTHING, SHOES AND LEATHER GOODS. FLUSH WITH WATER FOR AT LEAST 30 MINUTES. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

FIRST AID: INGESTION

NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS. RINSE MOUTH THOROUGHLY WITH WATER. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

FIRST AID: INHALATION

REMOVE PERSON TO FRESH AIR AWAY FROM SOURCE OF CONTAMINATION.

SECTION 5 - FIRE-FIGHTING MEASURES



GENERAL FIRE HAZARDS:

SEE SECTION 9 FOR FLAMMABILITY PROPERTIES.

BATTERY CELLS MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT. ELECTROLYTE SOLUTION IS FLAMMABLE.

HAZARDOUS COMBUSTION PRODUCTS:
MAY RELEASE TOXIC FUMES IF BURNED OR EXPOSED TO FIRE.

EXTINGUISHING MEDIA:
USE APPROPRIATE EXTINGUISHING AGENT FOR SURROUNDING FIRE. FOR DAMAGED OR RUPTURED CELLS, USE CLASS D EXTINGUISHER OR OTHER APPROPRIATE AGENT. CLASS C FIRE EXTINGUISHERS SHOULD BE USED TO EXTINGUISH ELECTRICAL FIRES. DO NOT USE WATER TO EXTINGUISH ELECTRICAL OR RUPTURED CELL RELATED FIRES.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:
FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE GEAR.

NFPA RATINGS:
HEALTH 0
FIRE 0
REACTIVITY 0

HAZARD SCALE:
0 = MINIMAL
1 = SLIGHT
2 = MODERATE
3 = SERIOUS
4 = SEVERE

SECTION 6 - ACCIDENTAL RELEASE MEASURES



CONTAINMENT PROCEDURES: STOP THE FLOW OF MATERIAL, IF THIS IS WITHOUT RISK.

CLEAN-UP PROCEDURES:
ABSORB SPILL WITH INERT MATERIAL. SHOVEL MATERIAL INTO APPROPRIATE CONTAINER FOR DISPOSAL. CLEAN SPILL AREA WITH DETERGENT AND WATER; COLLECT WASH WATER FOR PROPER DISPOSAL.

EVACUATION PROCEDURES: ISOLATE AREA. KEEP UNNECESSARY PERSONNEL AWAY.

SPECIAL PROCEDURES: AVOID SKIN CONTACT WITH THE SPILLED MATERIAL.

SECTION 7 - HANDLING AND STORAGE



HANDLING PROCEDURES: AVOID DAMAGING OR RUPTURING BATTERY.

STORAGE PROCEDURES:
STORE IN A DRY LOCATION AT ROOM TEMPERATURE. AVOID EXTREME HEAT OR FIRE.
KEEP OUT OF REACH OF CHILDREN.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION



A: COMPONENT EXPOSURE LIMITS
ACGIH, OSHA, AND NIOSH HAVE NOT DEVELOPED EXPOSURE LIMITS FOR ANY OF THIS

PRODUCT'S COMPONENTS.

ENGINEERING CONTROLS: NOT NECESSARY UNDER NORMAL PRODUCT USE CONDITIONS.

PERSONAL PROTECTIVE EQUIPMENT:

PERSONAL PROTECTIVE EQUIPMENT: EYES/FACE
NOT NECESSARY UNDER NORMAL PRODUCT USE CONDITIONS. WEAR SAFETY GLASSES IF
HANDLING A DAMAGED BATTERY.

PERSONAL PROTECTIVE EQUIPMENT: SKIN
NOT NECESSARY UNDER NORMAL PRODUCT USE CONDITIONS. WEAR NEOPRENE OR NATURAL
RUBBER GLOVES WHEN HANDLING A DAMAGED BATTERY.

PERSONAL PROTECTIVE EQUIPMENT: RESPIRATORY
NOT NECESSARY UNDER NORMAL PRODUCT USE CONDITIONS.

PERSONAL PROTECTIVE EQUIPMENT: GENERAL
EYEWASH FOUNTAINS AND EMERGENCY SHOWERS ARE REQUIRED.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE: VARIOUS SHAPED BATTERY

ODOR: NONE

PHYSICAL STATE: SOLID

PH: NA

VAPOR PRESSURE: NA

VAPOR DENSITY: NA

BOILING POINT: NA

MELTING POINT: NA

SOLUBILITY (H2O): INSOLUBLE

SPECIFIC GRAVITY: NA

EVAPORATION RATE: NA

VOC: NA

OCTANOL/H2O COEFF.: NA

FLASH POINT: NA

FLASH POINT METHOD: NA

UPPER FLAMMABILITY LIMIT (UFL): NA

LOWER FLAMMABILITY LIMIT (LFL): NA

BURNING RATE: NA

AUTO IGNITION: NA

SECTION 10 - STABILITY AND REACTIVITY



CHEMICAL STABILITY: THIS IS A STABLE MATERIAL.

CHEMICAL STABILITY: CONDITIONS TO AVOID
AVOID EXPOSURE TO ELEVATED TEMPERATURES AND FIRE.

INCOMPATIBILITY: NOT AVAILABLE.

HAZARDOUS DECOMPOSITION:
MAY RELEASE TOXIC FUMES IF BURNED OR EXPOSED TO FIRE.

POSSIBILITY OF HAZARDOUS REACTIONS: NOT AVAILABLE.

SECTION 11 - TOXICOLOGICAL INFORMATION



ACUTE DOSE EFFECTS:

A: GENERAL PRODUCT INFORMATION
IF PRODUCT IS RUPTURED, MATERIAL MAY CAUSE IRRITATION TO THE SKIN, EYES AND
RESPIRATORY TRACT.

B: COMPONENT ANALYSIS - LD50/LC50
NO LD50/LC50'S ARE AVAILABLE FOR THIS PRODUCT'S COMPONENTS.

CARCINOGENICITY:

A: GENERAL PRODUCT INFORMATION
NO INFORMATION AVAILABLE FOR THE PRODUCT.

B: COMPONENT CARCINOGENICITY
NONE OF THIS PRODUCT'S COMPONENTS ARE LISTED BY ACGIH, IARC, OSHA, NIOSH,
OR NTP.

SECTION 12 - ECOLOGICAL INFORMATION



ECOTOXICITY:

A: GENERAL PRODUCT INFORMATION
NO INFORMATION AVAILABLE FOR THE PRODUCT.

B: COMPONENT ANALYSIS - ECOTOXICITY - AQUATIC TOXICITY
NO ECOTOXICITY DATA ARE AVAILABLE FOR THIS PRODUCT'S COMPONENTS.

SECTION 13 - DISPOSAL CONSIDERATIONS



US EPA WASTE NUMBER & DESCRIPTIONS:

COMPONENT WASTE NUMBERS:

NO EPA WASTE NUMBERS ARE APPLICABLE FOR THIS PRODUCT'S COMPONENTS.

DISPOSAL INSTRUCTIONS:

RECYCLE BATTERY. DO NOT DISPOSE OF IN WATER BODIES OR SEWER SYSTEM. ALL WASTES MUST BE HANDLED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SEE SECTION 7 FOR HANDLING PROCEDURES. SEE SECTION 8 FOR PERSONAL PROTECTIVE EQUIPMENT RECOMMENDATIONS.

SECTION 14 - TRANSPORT INFORMATION



LITHIUM-ION BATTERIES COMPLY WITH ALL APPLICABLE SHIPPING REGULATIONS AS PRESCRIBED BY INDUSTRY AND LEGAL STANDARDS WHICH INCLUDE UN RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS; THE 61ST EDITION OF THE IATA DANGEROUS GOODS REGULATIONS AND US DOT REQUIREMENTS. CELLS AND BATTERIES HAVE BEEN TESTED TO SECTION 38.3 OF THE UN RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS MANUAL OF TESTS AND CRITERIA. ALL THE BATTERIES LISTED IN THIS SAFETY DATA SHEET ARE LESS THAN OR EQUAL TO 100 WHR; THEREFORE, AIR SHIPMENT OF UP TO 2 BATTERIES WITHOUT EQUIPMENT IN A PACKAGE CAN BE SHIPPED AS AN "EXCEPTED" QUANTITY AND DOES NOT REQUIRE BEING SHIPPED AS A FULLY REGULATED CLASS 9 HAZARDOUS MATERIAL. IF MORE THAN 2 BATTERIES WITHOUT EQUIPMENT ARE BEING SHIPPED IN ONE PACKAGE, USING AIR TRANSPORTATION, THEN THE PACKAGE IS CONSIDERED A FULLY REGULATED SHIPMENT AND MUST MEET THE MORE STRINGENT DOCUMENTATION, MARKING, AND LABELING REQUIREMENTS. ALL AIR SHIPMENTS OF LITHIUM ION BATTERIES WITHOUT EQUIPMENT REQUIRE THE STATE OF CHARGE OF THE BATTERY TO BE NO GREATER THAN 30% OF THE RATED DESIGN CAPACITY AND ARE BANNED FROM SHIPMENT ON PASSENGER AIRCRAFT (CARGO AIRCRAFT ONLY).

BATTERIES ALONE:

UN3480, LITHIUM ION BATTERIES

AIR SHIPMENTS (IATA) - PACKING INSTRUCTION 965 (SECTION IB FOR GREATER THAN 2 BATTERIES PER PACKAGE, SECTION II FOR LESS THAN OR EQUAL TO 2 BATTERIES PER PACKAGE)

SEA SHIPMENTS (IMDG CODE, 2018 EDITION, INCLUDING AMENDMENT 39-18) - SPECIAL PROVISION 188

EUROPE ROAD TRANSPORTATION (ADR) - SPECIAL PROVISION 188

US ROAD TRANSPORTATION (DOT) - 49 CFR 173.185(C)

BATTERIES WITH OR IN EQUIPMENT:

UN3481, LITHIUM ION BATTERIES PACKED WITH EQUIPMENT OR LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT.

AIR SHIPMENTS (IATA) - PACKING INSTRUCTION 966 OR 967, SECTION II

SEA SHIPMENTS (IMDG CODE, 2018 EDITION, INCLUDING AMENDMENT 39-18) - SPECIAL PROVISION 188

EUROPE ROAD TRANSPORTATION (ADR) - SPECIAL PROVISION 188

US ROAD TRANSPORTATION (DOT) - 49 CFR 173.185 (C)

SECTION 15 - REGULATORY INFORMATION



US FEDERAL REGULATIONS:

A: GENERAL PRODUCT INFORMATION
ALL COMPONENTS ARE ON THE U.S. EPA TSCA INVENTORY LIST.

B: COMPONENT ANALYSIS
NONE OF THESE PRODUCTS COMPONENTS ARE LISTED UNDER SARA SECTION 302 (40 CFR 355 APPENDIX A), SARA SECTION 313 (40 CFR 372.65), OR CERCLA (40 CFR 302.4).

STATE REGULATIONS:

A: GENERAL PRODUCT INFORMATION
NO ADDITIONAL INFORMATION AVAILABLE.

B: COMPONENT ANALYSIS - STATE
NONE OF THIS PRODUCT'S COMPONENTS ARE LISTED ON THE STATE LISTS FROM CA, MA, MN, NJ, PA, OR RI.

CANADIAN WHMIS INFORMATION:

A: GENERAL PRODUCT INFORMATION
THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS.

B: COMPONENT ANALYSIS - WHMIS IDL
NO COMPONENTS ARE LISTED IN THE WHMIS IDL.

ADDITIONAL REGULATORY INFORMATION: NONE

SECTION 16 - OTHER INFORMATION



OTHER INFORMATION:
THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE

ACCURATE AS OF THE EFFECTIVE DATE GIVEN. HOWEVER, NO WARRANTY, EXPRESSED OR IMPLIED, IS GIVEN. IT IS THE BUYER'S RESPONSIBILITY TO ENSURE THAT ITS ACTIVITIES COMPLY WITH FEDERAL, STATE OR PROVINCIAL, AND LOCAL LAWS.

KEY/LEGEND:

EPA: ENVIRONMENTAL PROTECTION AGENCY

TSCA: TOXIC SUBSTANCE CONTROL ACT

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

NIOSH: NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

NTP: NATIONAL TOXICOLOGY PROGRAM

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

NJTSR: NEW JERSEY TRADE SECRET REGISTRY

WHMIS: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CANADA)

REVISION: 6.00

ISSUED: 3/24/2020