

ITEM: 31AC52- Battery,(1) 5.0 Ah,Li-Ion

DELIVERY: 6640887424

HU NUMBER: U890108063

SDSG1316

SAFETY DATA SHEET (SDS)

This SDS should be attached or kept with the respective product with which it is associated.

SDS - G1316

Associated Items
31AC52

LI-ION BATTERY

PRODUCT 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, CMCB2015

(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 CHARGERCMCB6050 BATTERY PACK IS CONSIDERED 3 BATTERIES EACH WITH A RATING OF 100
WHR WHEN NOT INSERTED IN A TOOL OR A CHARGERCUB CADET:
(60 VOLT MAX) - CC6025 BATTERY PACK IS CONSIDERED 3 BATTERIES EACH WITH A
RATING OF 50 WHR WHEN NOT INSERTED IN A TOOL OR A CHARGERCC6050 BATTERY PACK IS CONSIDERED 3 BATTERIES EACH WITH A RATING OF 100
WHR WHEN NOT INSERTED IN A TOOL OR A CHARGERDEWALT:
(8 VOLT) - DCB080(12 VOLT MAX) - DCB120, DCB127, DCB122, DCB124, DCB124G, DCB126,
DCB126G(20 VOLT MAX) - DCB200, DCB201, DCB203, DCB203BT, DCB204, DCB204BT,
DCB205, DCB205BT, DCB207, DCB230, DCB240, DCBP034, DCBP034G, DCBP520(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 PLACEDCB615 WITH TRANSPORT CAP. BATTERY PACK IS CONSIDERED 3 BATTERIES
EACH HAVING A WHR RATING OF 100 WHR WITH TRANSPORT CAP IN PLACE

(36 VOLT) - DC9360, DE9360, DCB361

MAC TOOLS:
(12 VOLT MAX) - MB120, MB127, MBR127, MBR124, MBR124G, MBR126,
MBR126G(20 VOLT MAX) - MB200, MB201, MB203, MB204, MB205, MBR203, MBR204,
MBR205POP:
(18 VOLT) - EBC180, EBC181, EBC182, EBC183, EBC184PORTER-CABLE:
(18 VOLT) - PC18BL, PC18BLX, PC18BLEX
(20 VOLT MAX) - PCC680L, PCC681L, PCC685L, PCC682L, PCC683LSTANLEY FATMAX:
(12 VOLT MAX) - FMC080L
(18/20 VOLT) - FMC680L, FMC684L, FMC685L, FMC686L, FMC687L, FMC688L,
FMC689L

ALEMITE:

(14.4 VOLT) - 343432
(20 VOLT) - 343291, 343521JOHN DEERE:
(14.4 VOLT) - TY27456
(20 VOLT) - TY27458LINCOLN:
(12 VOLT) - 1261
(20 VOLT) - 1871, 1872SKF:
(20 VOLT) - 280151INTEGRAL BATTERY PACKS (CONTAINED WITHIN PRODUCTS, NON-REMOVABLE):
3.6 VOLT - SW9007+, EPP36L15+, BDCSFL20BP, BDCSFS30BP, ORB36+, N506507,
AEP36LA-27.2 VOLT - DB72L+, ORB72L+, MPP72L+, EPP72L15D+, EPP72L20D+, G9L72+,
SW9007A+, AEP72L+, GSL700

8 VOLT - 18650-2S

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

12 VOLT - G11L315++, G11L320++, G11L325++, BHSB315J, BHSB320JP

14.4 VOLT - DB144L+, 415LPF+, MPP144L+, G2L144+, G3L144+, G9L144+

16 VOLT - G11L415++

18 VOLT - DB18L+, FV18L+, 515LPF+, 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

Table with 4 columns: CHEMICAL NAME, CAS NO., WEIGHT - %, TRADE SECRET. Rows include COPPER, STEEL MANUFACTURE, CHEMICALS, LITHIUM HEXAFLUOROPHOSPHATE (LiPF6), ALUMINUM, LITHIUM MANGANESE OXIDE (LiMn2O4), LITHIUM COBALT OXIDE (LiCoO2), LITHIUM NICKEL MANGANESE COBALT OXIDE (LiNiMnCoO2), LITHIUM NICKEL COBALT ALUMINUM OXIDE (LiNiCoAlO2), NICKEL, MIXED ORGANIC CARBONATES.

* 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 WATER SPRAY, FOG, OR REGULAR FOAM. USE APPROPRIATE EXTINGUISHING AGENT FOR SURROUNDING FIRES. A CLASS C FIRE EXTINGUISHER SHOULD BE USED ON AN ELECTRICAL FIRE. FOR DAMAGED OR RUPTURED CELLS APPLY COPIOUS AMOUNTS OF WATER SPRAY AND/OR COMPLETE WATER IMMERSION, IF POSSIBLE, TO EXTINGUISH FLAME, REDUCE TEMPERATURE, OR CONTAIN A THERMAL RUNAWAY EVENT IN A LITHIUM-ION BATTERY.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:

FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE GEAR. WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA). LITHIUM-ION BATTERIES MAY REIGNITE AFTER THE INITIAL FIRE HAS BEEN SUPPRESSED. AFFECTED BATTERIES SHOULD BE STORED IN A SAFE PLACE OUTSIDE (RESTRICT ACCESS, INDICATE HAZARD) FOR A MINIMUM OF 72 HOURS. MONITOR TEMPERATURE FREQUENTLY TO DETECT ANY POTENTIAL NEW HEAT GENERATION. IN THE INSTANCE OF A REPEATED THERMAL EVENT FOLLOW THE FIREFIGHTING METHODS ABOVE.

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 64TH 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).

THE ARTICLE IS NOT SUBJECT TO OTHER PROVISIONS OF IMO IMDG CODE ACCORDING TO SPECIAL PROVISION 188.

BATTERIES ALONE:

UN3480, LITHIUM ION BATTERIES

AIR SHIPMENTS (IATA) - PACKING INSTRUCTION 965, SECTION 1B

SEA SHIPMENTS (IMDG CODE, 2020 EDITION, INCLUDING AMENDMENT 40-20) - 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, 2020 EDITION, INCLUDING AMENDMENT 40-20) - 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: 6.13

ISSUED: 4/7/2023



ITEM: 31AC52- Battery,(1) 5.0 Ah,Li-Ion

SDSG1631

DELIVERY: 6640887424

HU NUMBER: U890108063

SAFETY DATA SHEET (SDS)

This SDS should be attached or kept with the respective product with which it is associated.

SDS - G1631

Associated Items
31AC52

LI-ION BATTERY PRODUCT 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, CMCB2015

(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

CUB CADET:

(60 VOLT MAX) - CC6025 BATTERY PACK IS CONSIDERED 3 BATTERIES EACH WITH A RATING OF 50 WHR WHEN NOT INSERTED IN A TOOL OR A CHARGER CC6050 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, DCB124G, DCB126, DCB126G

(20 VOLT MAX) - DCB200, DCB201, DCB203, DCB203BT, DCB204, DCB204BT, DCB205, DCB205BT, DCB207, DCB230, DCB240, DCBP034, DCBP034G, DCBP520

(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

DCB615 WITH TRANSPORT CAP. BATTERY PACK IS CONSIDERED 3 BATTERIES EACH HAVING A WHR RATING OF 100 WHR WITH TRANSPORT CAP IN PLACE

(36 VOLT) - DC9360, DE9360, DCB361

MAC TOOLS:

(12 VOLT MAX) - MB120, MB127, MBR127, MBR124, MBR124G, MBR126, MBR126G

(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, AEPP36LA-2

7.2 VOLT - DB72L+, ORB72L+, MPP72L+, EPP72L15D+, EPP72L20D+, G9L72+, SW9007A+, AEPP72L+, GSL700, EPPRF72L+, SW9007A+

8 VOLT - 18650-2S

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

12 VOLT - G11L315++, G11L320++, G11L325++, BHSB315J, BHSB320JP

14.4 VOLT - DB144L+, 415LPF+, MPP144L+, G2L144+, G3L144+, G9L144+

16 VOLT - G11L415++

18 VOLT - DB18L+, FV18L+, 515LPF+, MPP18L+, BFH18L+, BFS18L+, G2L18+, G3L18+, G9L18+, BFH18+, BFS18+, G11L520++, G11L525++, BF525++

21.6 VOLT - HPP6CL+, BF620L+, BF625L+, RT640L+

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 (LiPF ₆)	21324-40-3	1-3	*
ALUMINUM	7429-90-5	7-13	*
LITHIUM MANGANESE OXIDE (LiMn ₂ O ₄)	12057-17-9	5-10	*
LITHIUM COBALT OXIDE (LiCoO ₂)	12190-79-3	5-10	*
LITHIUM NICKEL MANGANESE COBALT OXIDE (LiNiMnCoO ₂)	346417-97-8	5-10	*
LITHIUM NICKEL COBALT ALUMINUM OXIDE (LiNiCoAlO ₂)	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 WATER SPRAY, FOG, OR REGULAR FOAM. USE APPROPRIATE EXTINGUISHING AGENT FOR SURROUNDING FIRES. A CLASS C FIRE EXTINGUISHER SHOULD BE USED ON AN ELECTRICAL FIRE. FOR DAMAGED OR RUPTURED CELLS APPLY COPIOUS AMOUNTS OF WATER SPRAY AND/OR COMPLETE WATER IMMERSION, IF POSSIBLE, TO EXTINGUISH FLAME, REDUCE TEMPERATURE, OR CONTAIN A THERMAL RUNAWAY EVENT IN A

LITHIUM-ION BATTERY.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:
FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE GEAR. WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA). LITHIUM-ION BATTERIES MAY REIGNITE AFTER THE INITIAL FIRE HAS BEEN SUPPRESSED. AFFECTED BATTERIES SHOULD BE STORED IN A SAFE PLACE OUTSIDE (RESTRICT ACCESS, INDICATE HAZARD) FOR A MINIMUM OF 72 HOURS. MONITOR TEMPERATURE FREQUENTLY TO DETECT ANY POTENTIAL NEW HEAT GENERATION. IN THE INSTANCE OF A REPEATED THERMAL EVENT FOLLOW THE FIREFIGHTING METHODS ABOVE.

-----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 -----

UN NUMBER:
UN3480
UN3481

UN PROPER SHIPPING NAME:
LITHIUM-ION BATTERY
LITHIUM-ION BATTERY PACKED WITH OR CONTAINED IN EQUIPMENT

HAZARD CLASS: CLASS 9

PACKING GROUP, IF APPLICABLE: PACKING GROUP II

MARINE POLLUTANT: NO

BATTERIES HAVE BEEN TESTED IN ACCORDANCE WITH SUB-SECTION 38.3 OF THE
UN MANUAL OF TESTS AND CRITERIA. A LITHIUM ION BATTERY TEST SUMMARY IS
AVAILABLE UPON REQUEST. USE THE CURRENT APPLICABLE REGULATIONS FOR THE
MODE OF TRANSPORTATION USED TO SHIP BATTERIES. PROPER TRAINING IS
REQUIRED TO OFFER BATTERIES FOR SHIPMENT.

-----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: 7.01

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