



HIGH-TEMP COPPER ANTI-SEIZE, (CANADA)

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Safety Data Sheet

Supply Co. - HIGH-TEMP COPPER ANTI-SEIZE, (CANADA)

Document Nbr: 076456
Class C Parts IDs BD1552,BD1552-1

HIGH-TEMP COPPER ANTI-SEIZE

SAFETY DATA SHEET

ACCORDING TO CANADA'S HAZARDOUS PRODUCTS REGULATIONS (HPR) SOR/2015-17

-----SECTION 1: PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT IDENTIFIER:

CHEMICAL NAME: MIXTURE

CAS NO.: MIXTURE

TRADE NAME: HIGH-TEMP COPPER ANTI-SEIZE

PRODUCT CODE: BD1552; BD1552-1

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

IDENTIFIED USE(S): LUBRICANT

USES ADVISED AGAINST: NONE

COMPANY IDENTIFICATION:

SPRAY PRODUCTS CORPORATION

P.O. BOX 737

NORRISTOWN, PA 19404

TELEPHONE: (610) 277-1010

FAX: (610) 277-4390

E-MAIL (COMPETENT PERSON): JOHND@SPRAYPRODUCTS.COM

EMERGENCY TELEPHONE NUMBER:

EMERGENCY PHONE NO.:

TRANSPORTATION EMERGENCY:

CHEMTREC 24 HR.: 1-800-424-9300 / 1 (703) 527-3887 (COLLECT CALLS ACCEPTED)

-----SECTION 2: HAZARDS IDENTIFICATION -----

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

HPR / WHIMIS 2015 / GHS CLASSIFICATION:

FLAM. AEROSOL 2; LIQUEFIED GAS; SKIN IRRIT. 2; EYE IRRIT. 2; STOT SE 3;

ASP. TOX. 1

LABEL ELEMENTS:

HAZARD SYMBOL:

FLAME

GAS CYLINDER

EXCLAMATION MARK

HEALTH HAZARD

SIGNAL WORD(S): DANGER

HAZARD STATEMENT(S):

FLAMMABLE AEROSOL.

CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

CAUSES SERIOUS EYE IRRITATION.

CAUSES SKIN IRRITATION.

MAY CAUSE DROWSINESS OR DIZZINESS.

PRECAUTIONARY STATEMENT(S):

KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING.

DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE.

DO NOT PIERCE OR BURN, EVEN AFTER USE.

WASH HANDS AND EXPOSED SKIN AFTER USE.

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY.

PROTECT FROM SUNLIGHT AND DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F.

OTHER HAZARDS:

TOXIC TO AQUATIC LIFE. TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

-----SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS -----

HAZARDOUS INGREDIENT(S)	% WT.*	CAS NO.	HAZARD CLASSIFICATION
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	10 - 40	64742-52-5	ASP. TOX. 1; H304
ACETONE	10 - 20	67-64-1	FLAM. LIQ. 2; H225 EYE IRRIT. 2; H319 STOT SE 3; H336
HEPTANE, BRANCHED, CYCLIC AND LINEAR	10 - 20	426260-76-6	FLAM. LIQ. 2; H225 ASP. TOX. 1; H304 SKIN IRRIT. 2; H315 STOT SE 3; H336 AQUATIC ACUTE 2; H401 AQUATIC CHRONIC 3; H412
PROPANE	10 - 15	74-98-6	FLAM. GAS 1; H220 LIQUEFIED GAS; H280

N-BUTANE	5 - 10	106-97-8	FLAM. GAS 1; H220 LIQUEFIED GAS; H280
COPPER POWDER	1 - 3	7440-50-8	AQUATIC ACUTE 1; H400 AQUATIC CHRONIC 1; H410

ADDITIONAL INFORMATION: NONE

-----SECTION 4: FIRST AID MEASURES -----

DESCRIPTION OF FIRST AID MEASURES:

INHALATION:

MOVE PERSON TO FRESH AIR. IF BREATHING IS LABORED, ADMINISTER OXYGEN. IF SYMPTOMS DEVELOP, OBTAIN MEDICAL ATTENTION.

SKIN CONTACT:

WASH AFFECTED SKIN WITH SOAP AND WATER. IF SYMPTOMS DEVELOP, OBTAIN MEDICAL ATTENTION.

EYE CONTACT:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF

PRESENT AND EASY TO DO. CONTINUE RINSING. IF EYE IRRITATION PERSISTS, GET
MEDICAL ADVICE/ATTENTION.

INGESTION:

DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL
TREATMENT. DO NOT INDUCE VOMITING.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

MAY BE HARMFUL IF SWALLOWED AND ENTERS AIRWAYS.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

IF SWALLOWED:

IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. DO NOT INDUCE
VOMITING.

-----SECTION 5: FIRE-FIGHTING MEASURES -----

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA:

EXTINGUISH WITH CARBON DIOXIDE, DRY CHEMICAL, FOAM OR WATER SPRAY.

UNSUITABLE EXTINGUISHING MEDIA: DO NOT USE WATER JET.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: NONE

ADVICE FOR FIRE-FIGHTERS:

A SELF CONTAINED BREATHING APPARATUS AND SUITABLE PROTECTIVE CLOTHING SHOULD BE WORN IN FIRE CONDITIONS. KEEP CONTAINERS COOL BY SPRAYING WITH WATER IF EXPOSED TO FIRE.

-----SECTION 6: ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING. AVOID CONTACT WITH SKIN AND EYES. AVOID BREATHING GAS/SPRAY.

ENVIRONMENTAL PRECAUTIONS:

PREVENT LIQUID ENTERING SEWERS, BASEMENTS AND WORK PITS.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

COVER SPILLS WITH INERT ABSORBENT MATERIAL. TRANSFER TO A CONTAINER FOR DISPOSAL OR RECOVERY.

REFERENCE TO OTHER SECTIONS: NONE

ADDITIONAL INFORMATION: NONE

-----SECTION 7: HANDLING AND STORAGE -----

PRECAUTIONS FOR SAFE HANDLING:

KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING. AVOID

CONTACT WITH SKIN AND EYES. USE PRODUCT IN A WELL-VENTILATED AREA ONLY.

AVOID BREATHING GAS/SPRAY.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE TEMPERATURE:

KEEP IN A COOL, WELL VENTILATED PLACE. STORE AT TEMPERATURES NOT EXCEEDING

50 DEG. C / 122 DEG. F.

INCOMPATIBLE MATERIALS:

THIS PRODUCT SHOULD BE STORED AWAY FROM SOURCES OF STRONG HEAT OR OXIDIZING
CHEMICALS.

SPECIFIC END USE(S): LUBRICANT

-----SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION -----

OCCUPATIONAL EXPOSURE LIMITS:

SUBSTANCE.	CAS NO.	(8HR TWA)		(STEL)		NOTE
		OEL	TLV	OEL	TLV	
		(CANADA)	(ACGIH)	(CANADA)	(ACGIH)	
ACETONE	67-64-1	500 PPM	500 PPM	750 PPM	750 PPM	^NIC
PROPANE	74-98-6	1000 PPM	ASP.YX.#			#
N-BUTANE	106-97-8	800 PPM	250 PPM			
HEPTANE, BRANCHED, CYCLIC AND LINEAR	426260-76-6	400 PPM	1500 MG/M3	500 PPM		*N-HEPTANE

^NIC = NOTICE OF INTENDED CHANGES (ACGIH(R*))

#ASSURE MINIMUM OXYGEN CONTENT OF WORK ATMOSPHERE.

RECOMMENDED MONITORING METHOD:

NIOSH 1300 (KETONES I)

NIOSH 1500 (HYDROCARBONS, B.P. 36 - 126 DEG. C)

NIOSH 1550 (NAPHTHAS)

EXPOSURE CONTROLS:

APPROPRIATE ENGINEERING CONTROLS:

PROVIDE ADEQUATE VENTILATION TO ENSURE THAT THE OCCUPATIONAL EXPOSURE LIMIT IS NOT EXCEEDED.

PERSONAL PROTECTION EQUIPMENT:

EYE/FACE PROTECTION:

WEAR PROTECTIVE EYEWEAR (GOGGLES, FACE SHIELD, OR SAFETY GLASSES).

SKIN PROTECTION (HAND PROTECTION/OTHER):

WEAR SUITABLE GLOVES IF PROLONGED SKIN CONTACT IS LIKELY (BUTYL RUBBER).

CHECK WITH PROTECTIVE EQUIPMENT MANUFACTURER'S DATA.

RESPIRATORY PROTECTION:

NORMALLY NO PERSONAL RESPIRATORY PROTECTION IS NECESSARY. IN CASE OF

INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. CHECK WITH
PROTECTIVE EQUIPMENT MANUFACTURER'S DATA.

THERMAL HAZARDS:

NOT NORMALLY REQUIRED. USE GLOVES WITH INSULATION FOR THERMAL PROTECTION,
WHEN NEEDED.

ENVIRONMENTAL EXPOSURE CONTROLS: NONE KNOWN

-----SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES -----

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: AEROSOL SPRAY

COLOR.: COLORLESS

ODOR: PETROLEUM SPIRIT

ODOR THRESHOLD (PPM): NOT AVAILABLE

PH (VALUE): NOT AVAILABLE

MELTING POINT (DEG. C) / FREEZING POINT (DEG. C): NOT AVAILABLE

BOILING POINT/BOILING RANGE (DEG. C): NOT AVAILABLE

FLASH POINT (DEG. C): -104 (PROPANE)

EVAPORATION RATE: NOT AVAILABLE

FLAMMABILITY (SOLID, GAS): FLAMMABLE AEROSOL

EXPLOSIVE LIMIT RANGES: 2.1% - 9.5% V/V (PROPANE)

VAPOR PRESSURE (PASCAL): CA. 95×10^4 (PROPANE)

VAPOR DENSITY (AIR=1): CA. 1.56 @ 0 DEG. C (PROPANE)

DENSITY (G/ML): NOT AVAILABLE

SOLUBILITY (WATER): NOT AVAILABLE

SOLUBILITY (OTHER): NOT AVAILABLE

PARTITION COEFFICIENT (N-OCTANOL/WATER): NOT AVAILABLE

AUTO IGNITION POINT (DEG. C): NOT AVAILABLE

DECOMPOSITION TEMPERATURE (DEG. C): NOT AVAILABLE

KINEMATIC VISCOSITY (CST): <20.5 @ 40 DEG. C

EXPLOSIVE PROPERTIES: NOT EXPLOSIVE.

OXIDIZING PROPERTIES: NOT OXIDIZING.

OTHER INFORMATION: NOT AVAILABLE

-----SECTION 10: STABILITY AND REACTIVITY -----

REACTIVITY: STABLE UNDER NORMAL CONDITIONS.

CHEMICAL STABILITY: STABLE.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE ANTICIPATED.

CONDITIONS TO AVOID: AVOID CONTACT WITH HEAT AND IGNITION SOURCES.

INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCT(S):

CARBON MONOXIDE, CARBON DIOXIDE, ACRID SMOKE

-----SECTION 11: TOXICOLOGICAL INFORMATION -----

EXPOSURE ROUTES: INHALATION, SKIN CONTACT, EYE CONTACT

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACETONE (CAS NO. 67-64-1):

ACUTE TOXICITY:

ORAL LD50: 5800 MG/KG (RAT)

DERMAL LD50: >15800 MG/KG (RABBIT)

INHALATION LC50:

76 MG/L (4 HOUR(S)) (RAT) - VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

IRRITATION / CORROSIVITY:

CAUSES SERIOUS EYE IRRITATION. REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

SENSITISATION: IT IS NOT A SKIN SENSITISER.

REPEATED DOSE TOXICITY:

ORAL NOAEL: 900 MG/KG/DAY (RAT) (90-DAYS)

INHALATION NOAEL: \geq 19,000 PPM (RAT)

CARCINOGENICITY: IT IS UNLIKELY TO PRESENT A CARCINOGENIC HAZARD TO MAN.

MUTAGENICITY: NEGATIVE

TOXICITY FOR REPRODUCTION: NEGATIVE

OTHER INFORMATION: NONE KNOWN.

HEPTANE, BRANCHED, CYCLIC AND LINEAR (CAS# 426260-76-6) - BY ANALOGY WITH

SIMILAR MATERIALS:

ACUTE TOXICITY:

ORAL :

LD50: >5 G/KG-BW

DERMAL :

LD50: >2 G/KG-BW

INHALATION:

LC50: 65 - 103 MG/L (VAPOR), 4-HR. RAT

MAY CAUSE DROWSINESS OR DIZZINESS.

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

IRRITATION/CORROSIVITY:

CAUSES SKIN IRRITATION. REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR

CRACKING. MAY CAUSE EYE IRRITATION.

SENSITIZATION: IT IS NOT A SKIN SENSITIZER.

REPEATED DOSE TOXICITY:

NOAEC: 12350 MG/M3 (2 YR, INHAL., RAT, SYSTEMIC EFFECTS)

LOAEC: 1650 MG/M3 (2 HR, INHAL., RAT, CNS EFFECTS)

MAY CAUSE DROWSINESS OR DIZZINESS.

CARCINOGENICITY:

NO DATA. IT IS UNLIKELY TO PRESENT A CARCINOGENIC HAZARD TO MAN.

MUTAGENICITY: THERE IS NO EVIDENCE OF MUTAGENIC POTENTIAL.

REPRODUCTIVE TOXICITY: NOT AVAILABLE

PROPYLENE CARBONATE (CAS NO. 108-32-7):

ACUTE TOXICITY:

LD50 (RAT): >5000 MG/KG, ORAL

LD50 (RABBIT): >2000 MG/KG, DERMAL

IRRITATION/CORROSIVITY:

UNLIKELY TO CAUSE SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION.

SENSITIZATION: IT IS NOT A SKIN SENSITISER IN ANIMAL TESTS.

REPEATED DOSE TOXICITY:

NOAEC: 1000 MG/KG-DAY - INHALATION, AEROSOL, 13 WEEK(S)

CARCINOGENICITY:

NO DATA. IT IS UNLIKELY TO PRESENT A CARCINOGENIC HAZARD TO MAN.

MUTAGENICITY: THERE IS NO EVIDENCE OF MUTAGENIC POTENTIAL.

REPRODUCTIVE TOXICITY: NOT AVAILABLE

-----SECTION 12: ECOLOGICAL INFORMATION -----

SUBSTANCES IN PREPARATIONS / MIXTURES:

HEPTANE, BRANCHED, CYCLIC AND LINEAR (CAS# 426260-76-6) - BY ANALOGY WITH

SIMILAR MATERIALS:

ECOTOXICITY

SHORT TERM:

LL50 (96 HOUR): >13.4 MG/L (ONCORHYNCHUS MYKISS)

EL50 (48 HOUR): 3 MG/L (DAPHNIA MAGNA, MOBILITY)

EC50 (96 HOUR): 13 MG/L (PSEUDOKIRCHNERELLA SUBCAPITATA)

LONG TERM:

NOELR (28 DAYS): 1.5 MG/L (FISH) QSAR

LOEC (21 DAYS): 0.32 MG/L (DAPHNIA MAGNA)

NOEL (96 HOUR) 6.3 MG/L (ALGAE)

PERSISTENCE AND DEGRADABILITY: READILY BIODEGRADABLE.

BIOACCUMULATIVE POTENTIAL: THE PRODUCT HAS NO POTENTIAL FOR BIOACCUMULATION.

MOBILITY IN SOIL: NOT AVAILABLE.

RESULTS OF PBT AND VPVB ASSESSMENT: NOT CLASSIFIED AS PBT OR VPVB.

OTHER ADVERSE EFFECTS: NONE KNOWN.

COPPER POWDER (CAS# 7440-50-8):

ECOTOXICITY:

SHORT TERM:

LC50 (96 HOUR): 0.034 MG/L (PIMEPHALES PROMELAS)

EC50 (48 HOUR): 0.04 MG/L (DAPHNIA MAGNA, MOBILITY)

EC50 (72 HOUR): 0.005 MG/L (PHAEODACTYLUM TRICORNUTUM)

LONG TERM:

NOEC (30 DAYS): 0.021 MG/L (S. FONTINALIS)

NOEC (27 DAYS): 0.021 MG/L (DREISSENA POLYMORPHA)

NOEL (72 HOUR) 0.005 MG/L (PHAEODACTYLUM TRICORNUTUM)

PERSISTENCE AND DEGRADABILITY: NOT AVAILABLE.

BIOACCUMULATIVE POTENTIAL: THE PRODUCT HAS NO POTENTIAL FOR BIOACCUMULATION.

MOBILITY IN SOIL: NOT AVAILABLE.

RESULTS OF PBT AND VPVB ASSESSMENT: NOT CLASSIFIED AS PBT OR VPVB.

OTHER ADVERSE EFFECTS: NONE KNOWN.

PROPYLENE CARBONATE (CAS NO. 108-32-7):

ECOTOXICITY:

SHORT TERM:

LC50 (96 HOUR): >1000 MG/L (CYPRINUS CARPIO)

LC50 (48 HOUR): >1000 MG/L (DAPHNIA MAGNA)

EC50 (72 HOUR): >900 MG/L (DESMODESMUS SUBSPICATUS)

LONG TERM: NOT AVAILABLE.

PERSISTENCE AND DEGRADABILITY: READILY BIODEGRADABLE.

BIOACCUMULATIVE POTENTIAL: THE PRODUCT HAS NO POTENTIAL FOR BIOACCUMULATION.

MOBILITY IN SOIL: NOT AVAILABLE.

RESULTS OF PBT AND VPVB ASSESSMENT: NOT CLASSIFIED AS PBT OR VPVB.

OTHER ADVERSE EFFECTS: NONE KNOWN.

-----SECTION 13: DISPOSAL CONSIDERATIONS -----

WASTE TREATMENT METHODS:

DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION.

CONSULT AN ACCREDITED WASTE DISPOSAL CONTRACTOR OR THE LOCAL AUTHORITY FOR
ADVICE.

-----SECTION 14: TRANSPORT INFORMATION -----

	LAND TRANSPORT (TDG)	SEA TRANSPORT (IMDG)	AIR TRANSPORT (ICAO/IATA)
UN NUMBER	1950	1950	1950
PROPER SHIPPING NAME	AEROSOLS, FLAMMABLE	AEROSOLS, FLAMMABLE	AEROSOLS, FLAMMABLE
TRANSPORT HAZARD CLASS(ES)	2.1	2.1	2.1
PACKING GROUP	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
ENVIRONMENTAL HAZARDS	NONE ASSIGNED	NONE ASSIGNED	NONE ASSIGNED
SPECIAL PRECAUTIONS FOR USER	NONE ASSIGNED	NONE ASSIGNED	NONE ASSIGNED

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:
NOT APPLICABLE

-----SECTION 15: REGULATORY INFORMATION -----

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE
SUBSTANCE OR MIXTURE:

CANADA (DSL/NDSL): ALL CHEMICALS LISTED.

-----SECTION 16: OTHER INFORMATION -----

THE FOLLOWING SECTIONS CONTAIN REVISIONS OR NEW STATEMENTS: 1-16.

DATE OF PREPARATION: FEBRUARY 18, 2015

HAZARD STATEMENT(S):

H220: EXTREMELY FLAMMABLE GAS.

H225: HIGHLY FLAMMABLE LIQUID AND VAPOR.

H280: CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.

H304: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

H315: CAUSES SKIN IRRITATION.

H319: CAUSES SERIOUS EYE IRRITATION.

H336: MAY CAUSE DROWSINESS OR DIZZINESS.

H400: VERY TOXIC TO AQUATIC LIFE.

H401: TOXIC TO AQUATIC LIFE.

H410: VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

H412: HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

TRAINING ADVICE: NONE.

DISCLAIMER:

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REVISION: FEBRUARY 20, 2015