

ITEM: 2CDU5 - Lubricant, Aerosol w/Smart Straw, 11oz
DELIVERY: 6288806413 HU NUMBER: U555282108
MATERIAL SAFETY DATA SHEET (MSDS)

MSDS D2415

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

MATERIAL SAFETY DATA SHEET - D2415

Associated Grainger Items
2CDU5

WD-40(R*) MULTI-USE PRODUCT

WD-40 COMPANY

SAFETY DATA SHEET

-----1 - IDENTIFICATION -----

PRODUCT NAME: WD-40 MULTI-USE PRODUCT AEROSOL

NOT FOR SALE IN CALIFORNIA

PRODUCT USE:
LUBRICANT, PENETRANT, DRIVES OUT MOISTURE, REMOVES AND PROTECTS SURFACES FROM CORROSION

RESTRICTIONS ON USE: NONE IDENTIFIED

SDS DATE OF PREPARATION: 07/20/2014

MANUFACTURER: WD-40 COMPANY

ADDRESS:
1061 CUDAHY PLACE (92110)
P.O. BOX 80607
SAN DIEGO, CALIFORNIA, 92138-0607
USA

TELEPHONE:
EMERGENCY ONLY: 1-888-324-7596 (PROSAR)
INFORMATION: 1-888-324-7596

CHEMICAL SPILLS:
1-800-424-9300 (CHEMTREC)
1-703-527-3887 (INTERNATIONAL CALLS)

-----2 - HAZARDS IDENTIFICATION -----

HAZCOM 2012/GHS CLASSIFICATION:
FLAMMABLE AEROSOL CATEGORY 1
GAS UNDER PRESSURE, COMPRESSED GAS
ASPIRATION TOXICITY CATEGORY 1

NOTE:
THIS PRODUCT IS A CONSUMER PRODUCT AND IS LABELED IN ACCORDANCE WITH THE US CONSUMER PRODUCT SAFETY COMMISSION REGULATIONS WHICH TAKE PRECEDENCE OVER OSHA HAZARD COMMUNICATION LABELING. THE ACTUAL CONTAINER LABEL WILL NOT INCLUDE THE LABEL ELEMENTS BELOW. THE LABELING BELOW APPLIES TO INDUSTRIAL/PROFESSIONAL PRODUCTS.

LABEL ELEMENTS:
FLAME
GAS CYLINDER
HEALTH HAZARD

DANGER!

EXTREMELY FLAMMABLE AEROSOL.

CONTAINS GAS UNDER PRESSURE: MAY EXPLODE IF HEATED.

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

PREVENTION:
KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES, HOT SURFACES - NO SMOKING.
DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE.

PRESSURIZED CONTAINER: DO NOT PIERCE OR BURN, EVEN AFTER USE.

RESPONSE:

IF SWALLOWED,
IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. DO NOT INDUCE VOMITING.

STORAGE:
STORE LOCKED UP.

PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F. STORE IN A WELL-VENTILATED PLACE.

DISPOSAL:
DISPOSE OF CONTENTS AND CONTAINER IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS.

-----3 - COMPOSITION/INFORMATION ON INGREDIENTS -----

INGREDIENT	CAS #	WEIGHT PERCENT	US HAZCOM 2012/GHS CLASSIFICATION
ALIPHATIC HYDROCARBON	64742-47-8	45-50	FLAMMABLE LIQUID CATEGORY 3 ASPIRATION TOXICITY CATEGORY 1
PETROLEUM BASE OIL	64742-56-9	<25	NOT HAZARDOUS
	64742-65-0		
	64742-53-6		
	64742-54-7		
	64742-71-8		
LVP ALIPHATIC HYDROCARBON	64742-47-8	12-18	ASPIRATION TOXICITY CATEGORY 1
CARBON DIOXIDE	124-38-9	2-3	SIMPLE ASPHYXIANT GAS UNDER PRESSURE, COMPRESSED GAS

NON-HAZARDOUS MIXTURE <10 NOT HAZARDOUS INGREDIENTS

NOTE: THE EXACT PERCENTAGES ARE A TRADE SECRET.

-----4 - FIRST AID MEASURES -----

INGESTION (SWALLOWED):
ASPIRATION HAZARD. DO NOT INDUCE VOMITING. CALL PHYSICIAN, POISON CONTROL CENTER OR THE WD-40 SAFETY HOTLINE AT 1-888-324-7596 IMMEDIATELY.

EYE CONTACT:
FLUSH THOROUGHLY WITH WATER. REMOVE CONTACT LENSES IF PRESENT AFTER THE FIRST 5 MINUTES AND CONTINUE FLUSHING FOR SEVERAL MORE MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT:
WASH WITH SOAP AND WATER. IF IRRITATION DEVELOPS AND PERSISTS, GET MEDICAL ATTENTION.

INHALATION (BREATHING):
IF IRRITATION IS EXPERIENCED, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF IRRITATION OR OTHER SYMPTOMS DEVELOP AND PERSIST.

SIGNS AND SYMPTOMS OF EXPOSURE:
MAY CAUSE EYE AND RESPIRATORY IRRITATION. INHALATION MAY CAUSE COUGHING, HEADACHE AND DIZZINESS. SKIN CONTACT MAY CAUSE DRYING OF THE SKIN.

INDICATION OF IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT NEEDED:
IMMEDIATE MEDICAL ATTENTION IS NEEDED FOR INGESTION.

-----5 - FIRE FIGHTING MEASURES -----

SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA:
USE WATER FOG, DRY CHEMICAL, CARBON DIOXIDE OR FOAM. DO NOT USE WATER JET OR FLOODING AMOUNTS OF WATER. BURNING PRODUCT WILL FLOAT ON THE SURFACE AND SPREAD FIRE.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
CONTENTS UNDER PRESSURE. KEEP AWAY FROM IGNITION SOURCES AND OPEN FLAMES. EXPOSURE OF CONTAINERS TO EXTREME HEAT AND FLAMES CAN CAUSE THEM TO RUPTURE OFTEN WITH VIOLENT FORCE. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG SURFACES TO REMOTE IGNITION SOURCES AND FLASH BACK. COMBUSTION WILL PRODUCE OXIDES OF CARBON AND HYDROCARBONS.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:
FIREFIGHTERS SHOULD ALWAYS WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. COOL FIRE-EXPOSED CONTAINERS WITH WATER. USE SHIELDING TO PROTECT AGAINST BURSTING CONTAINERS.

-----6 - ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
WEAR APPROPRIATE PROTECTIVE CLOTHING (SEE SECTION 8). ELIMINATE ALL SOURCES OF IGNITION AND VENTILATE AREA.

METHODS AND MATERIALS FOR CONTAINMENT/CLEANUP:
LEAKING CANS SHOULD BE PLACED IN A PLASTIC BAG OR OPEN PAIL UNTIL THE PRESSURE HAS DISSIPATED. CONTAIN AND COLLECT LIQUID WITH AN INERT ABSORBENT AND PLACE IN A CONTAINER FOR DISPOSAL. CLEAN SPILL AREA THOROUGHLY. REPORT SPILLS TO AUTHORITIES AS REQUIRED.

-----7 - HANDLING AND STORAGE -----

PRECAUTIONS FOR SAFE HANDLING:
AVOID CONTACT WITH EYES. AVOID PROLONGED CONTACT WITH SKIN. AVOID BREATHING VAPORS OR AEROSOLS. USE ONLY WITH ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS, PILOT LIGHTS, HOT SURFACES AND OPEN FLAMES. UNPLUG ELECTRICAL TOOLS, MOTORS AND APPLIANCES BEFORE SPRAYING OR BRINGING THE CAN NEAR ANY SOURCE OF ELECTRICITY. ELECTRICITY CAN BURN A HOLE IN THE CAN AND CAUSE CONTENTS TO BURST INTO FLAMES. TO AVOID SERIOUS BURN INJURY, DO NOT LET THE CAN TOUCH BATTERY TERMINALS, ELECTRICAL CONNECTIONS ON MOTORS OR APPLIANCES OR ANY OTHER SOURCE OF ELECTRICITY. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. DO NOT PUNCTURE, CRUSH OR INCINERATE CONTAINERS, EVEN WHEN EMPTY.

CONDITIONS FOR SAFE STORAGE:
STORE IN A COOL, WELL-VENTILATED AREA, AWAY FROM INCOMPATIBLE MATERIALS DO NOT STORE ABOVE 120 DEG. F OR IN DIRECT SUNLIGHT. U.F.C (NFPA 308) LEVEL 3 AEROSOL. STORE AWAY FROM OXIDIZERS.

-----8 - EXPOSURE CONTROLS/PERSONAL PROTECTION -----

CHEMICAL	OCCUPATIONAL EXPOSURE LIMITS
ALIPHATIC HYDROCARBON	1200 MG/M3 TWA (MANUFACTURER RECOMMENDED)
PETROLEUM BASE OIL	5 MG/M3 TWA, 10 MG/M3 STEL ACGIH TLV 5 MG/M3 TWA OSHA PEL
LVP ALIPHATIC HYDROCARBON	1200 MG/M3 TWA (MANUFACTURER RECOMMENDED)
CARBON DIOXIDE	5000 PPM TWA (OSHA/ACGIH) 30,000 PPM STEL (ACGIH)
NON-HAZARDOUS INGREDIENTS	NONE ESTABLISHED
THE FOLLOWING CONTROLS ARE RECOMMENDED FOR NORMAL CONSUMER USE OF THIS PRODUCT:	
APPROPRIATE ENGINEERING CONTROLS: USE IN A WELL-VENTILATED AREA.	
PERSONAL PROTECTION:	

EYE PROTECTION: AVOID EYE CONTACT. ALWAYS SPRAY AWAY FROM YOUR FACE.

SKIN PROTECTION:
AVOID PROLONGED SKIN CONTACT. CHEMICAL RESISTANT GLOVES RECOMMENDED FOR OPERATIONS WHERE SKIN CONTACT IS LIKELY.

RESPIRATORY PROTECTION:
NONE NEEDED FOR NORMAL USE WITH ADEQUATE VENTILATION.

FOR BULK PROCESSING OR WORKPLACE USE THE FOLLOWING CONTROLS ARE RECOMMENDED:

APPROPRIATE ENGINEERING CONTROLS:
USE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE LEVELS BELOW THAT OCCUPATIONAL EXPOSURE LIMITS.

PERSONAL PROTECTION:

EYE PROTECTION: SAFETY GOGGLES RECOMMENDED WHERE EYE CONTACT IS POSSIBLE.

SKIN PROTECTION: WEAR CHEMICAL RESISTANT GLOVES.

RESPIRATORY PROTECTION:
NONE REQUIRED IF VENTILATION IS ADEQUATE. IF THE OCCUPATIONAL EXPOSURE LIMITS ARE EXCEEDED, WEAR A NIOSH APPROVED RESPIRATOR. RESPIRATOR SELECTION AND USE SHOULD BE BASED ON CONTAMINANT TYPE, FORM AND CONCENTRATION. FOLLOW OSHA 1910.134, ANSI Z88.2 AND GOOD INDUSTRIAL HYGIENE PRACTICE.

WORK/HYGIENE PRACTICES: WASH WITH SOAP AND WATER AFTER HANDLING.

-----9 - PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE: LIGHT AMBER LIQUID

FLAMMABLE LIMITS (SOLVENT PORTION):
LEL: 0.6%
UEL: 8%

ODOR: MILD PETROLEUM ODOR

VAPOR PRESSURE: 95-115 PSI @ 70 DEG. F

ODOR THRESHOLD: NOT ESTABLISHED

VAPOR DENSITY: GREATER THAN 1 (AIR=1)

PH: NOT APPLICABLE

RELATIVE DENSITY: 0.8 - 0.82 @ 60 DEG. F

MELTING/FREEZING POINT: NOT ESTABLISHED

SOLUBILITIES: INSOLUBLE IN WATER

BOILING POINT/RANGE: 361 - 369 DEG. F (183 - 187 DEG. C)

PARTITION COEFFICIENT: N-OCTANOL/WATER: NOT ESTABLISHED

FLASH POINT: 122 DEG. F (49 DEG. C) TAG CLOSED CUP (CONCENTRATE)

AUTOIGNITION TEMPERATURE: NOT ESTABLISHED

EVAPORATION RATE: NOT ESTABLISHED

DECOMPOSITION TEMPERATURE: NOT ESTABLISHED

FLAMMABILITY (SOLID, GAS): FLAMMABLE AEROSOL

VISCOSITY: 2.79-2.96 CST @ 100 DEG. F

VOC: 412 GRAMS/LITER (49.5%)

POUR POINT: -63 DEG. C (-81.4 DEG. F) ASTM D-97

-----10 - STABILITY AND REACTIVITY -----

REACTIVITY: NOT REACTIVE UNDER NORMAL CONDITIONS

CHEMICAL STABILITY: STABLE

POSSIBILITY OF HAZARDOUS REACTIONS:
MAY REACT WITH STRONG OXIDIZERS GENERATING HEAT.

CONDITIONS TO AVOID:
AVOID HEAT, SPARKS, FLAMES AND OTHER SOURCES OF IGNITION. DO NOT PUNCTURE OR INCINERATE CONTAINERS.

INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND CARBON DIOXIDE.

-----11 - TOXICOLOGICAL INFORMATION -----

SYMPTOMS OF OVEREXPOSURE:

INHALATION:
HIGH CONCENTRATIONS MAY CAUSE NASAL AND RESPIRATORY IRRITATION AND CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS AND NAUSEA. INTENTIONAL ABUSE MAY BE HARMFUL OR FATAL.

SKIN CONTACT:
PROLONGED AND/OR REPEATED CONTACT MAY PRODUCE MILD IRRITATION AND DEFATTING WITH POSSIBLE DERMATITIS.

EYE CONTACT:
CONTACT MAY BE IRRITATING TO EYES. MAY CAUSE REDNESS AND TEARING.

INGESTION:
THIS PRODUCT HAS LOW ORAL TOXICITY. SWALLOWING MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. THIS PRODUCT IS AN ASPIRATION HAZARD. IF SWALLOWED, CAN ENTER THE LUNGS AND MAY CAUSE CHEMICAL PNEUMONITIS, SEVERE LUNG DAMAGE AND DEATH.

CHRONIC EFFECTS: NONE EXPECTED.

CARCINOGEN STATUS:
NONE OF THE COMPONENTS ARE LISTED AS A CARCINOGEN OR SUSPECT CARCINOGEN BY IARC, NTP, ACGIH OR OSHA.

REPRODUCTIVE TOXICITY:
NONE OF THE COMPONENTS IS CONSIDERED A REPRODUCTIVE HAZARD.

NUMERICAL MEASURES OF TOXICITY:
THE ORAL TOXICITY OF THIS PRODUCT IS ESTIMATED TO BE GREATER THAN 5,000 MG/KG AND THE DERMAL TOXICITY GREATER THAN 2,000 MG/KG BASED ON AN ASSESSMENT OF THE INGREDIENTS. THIS PRODUCT IS NOT CLASSIFIED AS TOXIC BY ESTABLISHED CRITERIA. IT IS AN ASPIRATION HAZARD.

-----12 - ECOLOGICAL INFORMATION -----

ECOTOXICITY:
NO SPECIFIC AQUATIC TOXICITY DATA IS CURRENTLY AVAILABLE, HOWEVER COMPONENTS OF THIS PRODUCT ARE NOT EXPECTED TO BE HARMFUL TO AQUATIC ORGANISMS

PERSISTENCE AND DEGRADABILITY: COMPONENT ARE READILY BIODEGRADABLE.

BIOACCUMULATIVE POTENTIAL:
BIOACCUMULATION IS NOT EXPECTED BASED ON AN ASSESSMENT OF THE INGREDIENTS.

MOBILITY IN SOIL: NO DATA AVAILABLE

OTHER ADVERSE EFFECTS: NONE KNOWN

-----13 - DISPOSAL CONSIDERATIONS -----

IF THIS PRODUCT BECOMES A WASTE, IT WOULD BE EXPECTED TO MEET THE CRITERIA OF A RCRA IGNITABLE HAZARDOUS WASTE (D001). HOWEVER, IT IS THE RESPONSIBILITY OF THE GENERATOR TO DETERMINE AT THE TIME OF DISPOSAL THE PROPER CLASSIFICATION AND METHOD OF DISPOSAL. DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN EMPTY. DISPOSE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

-----14 - TRANSPORTATION INFORMATION -----

DOT SURFACE SHIPPING DESCRIPTION:
UN1950, AEROSOLS, 2.1 LTD. QTY (NOTE: SHIPPING PAPERS ARE NOT REQUIRED FOR LIMITED QUANTITIES UNLESS TRANSPORTED BY AIR OR VESSEL - EACH PACKAGE MUST BE MARKED WITH THE LIMITED QUANTITY MARK)

IMDG SHIPPING DESCRIPTION: UN1950, AEROSOLS, 2.1, LTD QTY

ICAO SHIPPING DESCRIPTION: UN1950, AEROSOLS, FLAMMABLE, 2.1

NOTE:
WD-40 DOES NOT TEST AEROSOL CANS TO ASSURE THAT THEY MEET THE PRESSURE AND OTHER REQUIREMENTS FOR TRANSPORT BY AIR. WE DO NOT RECOMMEND THAT OUR AEROSOL PRODUCTS BE TRANSPORTED BY AIR.

-----15 - REGULATORY INFORMATION -----

U.S. FEDERAL REGULATIONS:

CERCLA 103 REPORTABLE QUANTITY:
THIS PRODUCT IS NOT SUBJECT TO CERCLA REPORTING REQUIREMENTS, HOWEVER, OIL SPILLS ARE REPORTABLE TO THE NATIONAL RESPONSE CENTER UNDER THE CLEAN WATER ACT AND MANY STATES HAVE MORE STRINGENT RELEASE REPORTING REQUIREMENTS. REPORT SPILLS REQUIRED UNDER FEDERAL, STATE AND LOCAL REGULATIONS.

SARA TITLE III:

HAZARD CATEGORY FOR SECTION 311/312:
ACUTE HEALTH, FIRE HAZARD, SUDDEN RELEASE OF PRESSURE

SECTION 313 TOXIC CHEMICALS:
THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO SARA TITLE III

SECTION 313 REPORTING REQUIREMENTS: NONE

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (TPQ): NONE

EPA TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:
ALL OF THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

VOC REGULATIONS:
THIS PRODUCT COMPLIES WITH THE CONSUMER PRODUCT VOC LIMITS OF THE US EPA AND STATES ADOPTING THE OTC VOC RULES BUT DOES NOT COMPLY WITH CARB.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):
THIS PRODUCT DOES NOT CONTAIN CHEMICALS REGULATED UNDER CALIFORNIA PROPOSITION 65.

CANADIAN ENVIRONMENTAL PROTECTION ACT:
ONE OF THE COMPONENTS IS LISTED ON THE NDSL. ALL OF THE OTHER INGREDIENTS ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST OR EXEMPT FROM NOTIFICATION.

CANADIAN WHMIS CLASSIFICATION:
CLASS A (COMPRESSED GAS), CLASS B-5 (FLAMMABLE AEROSOL)

THIS MSDS HAS BEEN PREPARED ACCORDING TO THE CRITERIA OF THE CONTROLLED PRODUCTS REGULATION (CPR) AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

-----16 - OTHER INFORMATION -----

HMIS HAZARD RATING:
HEALTH 1 (SLIGHT HAZARD)
FIRE HAZARD 4 (SEVERE HAZARD)
REACTIVITY 0 (MINIMAL HAZARD)

REVISION DATE: JULY 20, 2014

SUPERSEDES: MAY 23, 2014

REVISION SUMMARY: CONVERT TO HAZCOM 2012. CHANGES IN ALL SECTIONS.

PREPARED BY: INDUSTRIAL HEALTH & SAFETY CONSULTANTS, INC. SHELTON, CT, USA

APPROVED BY:
I. KOWALSKI
REGULATORY AFFAIRS DEPT.

5049000/NO.0015205