

ITEM: 2F141 - Multi Purpose Lube 16 oz Net 11 oz

MSDS: A9193

PICK REQ: 1082868858

MATERIAL SAFETY DATA SHEET (MSDS)

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

SAFETY DATA SHEET - A9193

Associated Grainger Item: 2F141 - Multi Purpose Lube 16 oz Net 11 oz

510C

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3-36 MULTI PURPOSE LUBRICANT AND CORROSION INHIBITOR - AEROSOL

MANUFACTURER MSDS NO.: 510C

MANUFACTURER NAME: CRC INDUSTRIES, INC.

ADDRESS:  
885 LOUIS DRIVE  
WARMINSTER, PA 18974

BUSINESS PHONE: (215) 674-4300

CHEMTREC NUMBERS:  
FOR EMERGENCIES IN THE US, CALL CHEMTREC: 800-424-9300

REVISION DATE: AUGUST 1, 2006

TRADE NAMES:  
3-36(R\*) MULTI PURPOSE LUBRICANT AND CORROSION INHIBITOR - AEROSOL

PRODUCT CODES: 03004, 03005, 03093, 83005

NFPA:

1  
2  
0

HMS:  
HEALTH 1  
FIRE 2  
REACTIVITY 0  
PPE B

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME PERCENT	CAS#	INGREDIENT
PETROLEUM DISTILLATE OSHA PEL TWA: 400 PPM ACGIH TLV TWA: NOT ESTABLISHED OTHER EXPOSURE GUIDELINES: 100 PPM	64742-47-8	60-70%
INHIBITED PARAFFINIC OIL OSHA PEL TWA: 5 MG/M3 ACGIH TLV TWA: 5 MG/M3 OTHER EXPOSURE GUIDELINES: (MIST)	MIXTURE	25-30%
CARBON DIOXIDE OSHA PEL TWA: 5000 PPM ACGIH TLV TWA: 5000 PPM OTHER EXPOSURE GUIDELINES: NOT ESTABLISHED	124-38-9	<10%

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:  
DANGER: FLAMMABLE. HARMFUL OR FATAL IF SWALLOWED. CONTENTS UNDER PRESSURE.

PHYSICAL STATE: LIQUID

COLOR: BLUE-GREEN

ODOR: PLEASANT ODOR

APPLIES TO ALL INGREDIENTS:

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: IRRITATION

SKIN CONTACT: DRYNESS

INHALATION: HEADACHES, NAUSEA, DIZZINESS AND BREATHING PROBLEMS.

INGESTION:  
LOW LEVEL OF TOXICITY BY INGESTION. MAIN HAZARD IS ASPIRATION OF MATERIAL INTO LUNGS DURING SWALLOWING OR VOMITING. ASPIRATION CAN LEAD TO PNEUMONITIS, LUNG DAMAGE AND POSSIBLY DEATH.

CHRONIC HEALTH EFFECTS: DERMATITIS.

CARCINOGENICITY:  
OSHA: NO  
NTP: NO  
IARC: NO

AGGRAVATION OF PRE-EXISTING CONDITIONS: NOT APPLICABLE

SECTION 4: FIRST AID MEASURES

EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.

SKIN CONTACT:  
REMOVE CONTAMINATED CLOTHING AND WASH AREA WITH SOAP AND WATER.

INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY.

INGESTION: CALL A PHYSICIAN. DO NOT INDUCE VOMITING.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 170 DEG F  
FLASH POINT METHOD: TCC

UPPER FLAMMABLE OR EXPLOSIVE LIMIT: NOT DETERMINED  
LOWER FLAMMABLE OR EXPLOSIVE LIMIT: NOT DETERMINED

EXTINGUISHING MEDIA: CO2, DRY CHEMICAL AND FOAM

HAZARDOUS COMBUSTION BYPRODUCTS: CO2 AND CARBON MONOXIDE (FIRE)

FIRE FIGHTING INSTRUCTIONS:  
REMOVE CONTAINERS FROM FIRE AREA IF POSSIBLE. USE SELF-CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING. AEROSOL CANS MAY EXPLODE IF HEATED ABOVE 120 DEG F.

NFPA:  
HEALTH 1  
FLAMMABILITY 2  
REACTIVITY 0  
OTHER

HMS:  
HEALTH 1  
FLAMMABILITY 2  
REACTIVITY 0  
PPE B

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP MEASURES:  
USUALLY NOT A PROBLEM WITH AEROSOLS. AREA SHOULD BE VENTILATED. ABSORBENT SHOULD BE USED TO PICK UP EXCESS MATERIAL. ALL USED AND UNUSED PRODUCT SHOULD BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 7: HANDLING AND STORAGE

HANDLING:  
AEROSOL CANS MUST BE MAINTAINED BELOW 120 DEG F TO PREVENT CANS FROM EXPLODING.

STORAGE: STORE IN A COOL, DRY AREA.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS:  
ADEQUATE TO PREVENT ACCUMULATION OF VAPORS. USE MECHANICAL MEANS IF NECESSARY TO MAINTAIN LEVELS BELOW THE EXPOSURE LIMITS. IF WORKING IN A CONFINED SPACE, FOLLOW APPLICABLE OSHA REGULATIONS.

HAND PROTECTION DESCRIPTION: WEAR CHEMICALLY PROTECTIVE GLOVES.

EYE/FACE PROTECTION: WEAR CHEMICALLY PROTECTIVE SAFETY GLASSES.

PROTECTIVE CLOTHING/BODY PROTECTION:  
USE A SPLASH AFRON AND BOOTS IF SPLASHING OCCURS.

RESPIRATORY PROTECTION:  
USE NIOSH/MSHA COMPLIANT RESPIRATORS OR SELF-CONTAINED BREATHING APPARATUS ABOVE EXPOSURE LIMITS. FOLLOW OSHA REGULATIONS 29 CFR 1910.134.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE/APPEARANCE: LIQUID

COLOR: BLUE-GREEN

ODOR: PLEASANT ODOR

PHYSICAL STATE: LIQUID

pH: NOT APPLICABLE

VAPOR PRESSURE: NOT DETERMINED

VAPOR DENSITY (AIR = 1): > AIR

BOILING POINT: 380 DEG F (INITIAL)

FREEZING POINT: NOT DETERMINED

SOLUBILITY: NEGLIGIBLE IN WATER.

SPECIFIC GRAVITY: 0.8187

EVAPORATION POINT: SLOW .01 (TOLUENE=1)

VOLATILE ORGANIC COMPOUND CONTENT:  
%: 39.1  
G/L: 320.1  
LBS./GAL: 2.67

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE

INCOMPATIBILITIES WITH OTHER MATERIALS:  
CHEMICAL INCOMPATIBILITIES: STRONG OXIDIZERS.  
MATERIALS TO AVOID: STRONG OXIDIZERS.

HAZARDOUS POLYMERIZATION: NO

## SECTION 11: TOXICOLOGICAL INFORMATION

APPLIES TO ALL INGREDIENTS:

ACUTE HEALTH EFFECTS:  
SEE SECTION 3 OF THIS MSDS FOR ACUTE SYMPTOMS OF OVEREXPOSURE.CHRONIC EFFECTS:  
LONG TERM TOXICOLOGICAL STUDIES HAVE NOT BEEN CONDUCTED FOR THIS PRODUCT.CARCINOGENICITY:  
SEE SECTION 3 OF THIS MSDS FOR CARCINOGENICITY INFORMATION.

## SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: NO DATA AVAILABLE.

ENVIRONMENTAL FATE: NO DATA AVAILABLE FOR BIODEGRADATION.

## SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:  
ALL DISPOSAL ACTIVITIES MUST COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. CONTACT YOUR LOCAL OR STATE ENVIRONMENTAL AGENCY FOR SPECIFIC RULES. DO NOT DUMP INTO SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER.RCRA HAZARD CLASS:  
THIS MATERIAL IF DISCARDED MAY BE HAZARDOUS WASTE UNDER U.S. EPA RCRA REGULATIONS.

## SECTION 14: TRANSPORT INFORMATION

DOT SHIPPING INFORMATION:  
PLACARD: NOT APPLICABLE  
SPECIAL PROVISIONS: NOT APPLICABLE

DOT SHIPPING NAME: CONSUMER COMMODITY

DOT UN NUMBER: NOT APPLICABLE

DOT HAZARD CLASS: ORM-D

DOT PACKING GROUP: NOT APPLICABLE

DOT SUBPART E LABELING REQUIREMENT: NOT APPLICABLE

## SECTION 15: REGULATORY INFORMATION

APPLIES TO ALL INGREDIENTS:

TSCA 8(B):  
INVENTORY STATUS: ALL COMPONENTS ARE EITHER LISTED UNDER TSCA OR ARE EXEMPT.

SECTION 302 (YES/NO): NO

SECTION 304 CERCLA RQ:  
SUPERFUND: NOT APPLICABLE

SECTION 312 HAZARD CATEGORY:

SECTION 311/312:  
ACUTE: YES  
PRESSURE: YESSECTION 313 TOXIC RELEASE FORM:  
SECTION 313\*: NONESTATE:  
CALIFORNIA PROP 65: NO

COMMENTS: \* SEE SECTION 2 FOR PERCENTAGE

## SECTION 16: ADDITIONAL INFORMATION

HMIS:  
HEALTH HAZARD 1  
FIRE HAZARD 2  
REACTIVITY 0  
PERSONAL PROTECTION BNFPA:  
HEALTH 1  
FIRE HAZARD 2  
REACTIVITY 0

MSDS REVISION DATE: AUGUST 1, 2006

MSDS AUTHOR:  
PREPARED BY: MICHELLE RUDNICK

TECHNICAL INFORMATION: (800) 521-3168

DISCLAIMER:  
THIS INFORMATION IS ACCURATE TO THE BEST OF CRC INDUSTRIES' KNOWLEDGE OR OBTAINED FROM SOURCES BELIEVED BY CRC TO BE ACCURATE. BEFORE USING ANY PRODUCT, READ ALL WARNINGS AND DIRECTIONS ON THE LABEL.ABBREVIATIONS:  
CAS: CHEMICAL ABSTRACT SERVICE  
PPM: PARTS PER MILLION  
TCC: TAG CLOSED CUP  
LEL: LOWER EXPLOSIVE LIMIT  
UEL: UPPER EXPLOSIVE LIMIT  
PPE: PERSONAL PROTECTION EQUIPMENT  
CO: CLEVELAND OPEN CUP  
NA: NOT APPLICABLE  
ND: NOT DETERMINED  
NE: NOT ESTABLISHED  
G/L: GRAMS PER LITER  
LBS./GAL: POUNDS PER GALLON  
RQ: REPORTABLE QUANTITY  
TOC: TAG OPEN CUP

ORDER: 10828688582F141 - Multi Purpose Lube 16 oz Net 11 OZ HAZMAT: 2F141

HAZARD MATERIAL WARNING SHEET (HAZMAT)

When shipment is complete, retain for daily Hazmat audit

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GRAINGER SHIPPING INFORMATION

STOCK # : 2F141
MSDS # : A9193, S0032
FREIGHT CODE : 0800
DOT PROPER SHIP NAME : CONSUMER COMMODITY, ORM-D

UPS RESTRICTIONS :

HAZARDOUS CLASS NUMBER : ORM-D
UN ID # :
PACKING GROUP :
SHIPPING LABEL : Consumer Commodity ORM-D

LIMITED QUANTITY : YES
CARTON INSTRUCTIONS : CAN REPACK IN GRAINGER S CARTON
DOT/UPS EXEMPTION NO. :
COMMENTS : HAZARDOUS MATERIAL. DO NOT SHIP AIR!!
SHIPPING-PAPERS :

PLACARD OFFERED ? YES ( ) NO ( ) PLEASE MARK ONE

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