

MSDS: D4731

ITEM: 6Y743 - Greaseless Lubricant Aerosol Can 1

ORDER: 0164500221

LP NUMBER: U880630131

MATERIAL SAFETY DATA SHEET (MSDS)

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

SDS - D4731

Associated Grainger Items
6Y743

LPS(R*)

SAFETY DATA SHEET

1. IDENTIFICATION

PRODUCT IDENTIFIER: LPS(R*) 1 (AEROSOL)

OTHER MEANS OF IDENTIFICATION:

PART NUMBER: 00116

RECOMMENDED USE:

AN INDUSTRIAL LUBRICANT DESIGNED TO DISPLACE MOISTURE FROM MECHANICAL AND ELECTRICAL EQUIPMENT, PROVIDE LIGHT-DUTY LUBRICATION AND SHORT-TERM RUST PREVENTION.

RECOMMENDED RESTRICTIONS: NONE KNOWN.

MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION:

MANUFACTURER:

COMPANY NAME: LPS LABORATORIES, A DIVISION OF ILLINOIS TOOL WORKS, INC.

ADDRESS:
4647 HUGH HOWELL RD.
TUCKER, GA 30084

COUNTRY: (U.S.A.)

TEL: +1 770-243-8800

IN CASE OF EMERGENCY:
1-800-424-9300 (INSIDE U.S.)
+001 703-527-3887 (OUTSIDE U.S.)

WEBSITE: WWW.LPSLABS.COM

E-MAIL: SDS@LPSLABS.COM

2. HAZARD (S) IDENTIFICATION

PHYSICAL HAZARDS:

FLAMMABLE AEROSOLS: CATEGORY 1
GASES UNDER PRESSURE: COMPRESSED GAS

HEALTH HAZARDS:

SKIN CORROSION/IRRITATION: CATEGORY 2

SENSITIZATION, SKIN: CATEGORY 1B

SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE:
CATEGORY 3 NARCOTIC EFFECTS

ENVIRONMENTAL HAZARDS: NOT CLASSIFIED.

OSHA DEFINED HAZARDS: NOT CLASSIFIED.

LABEL ELEMENTS:

FLAME
GAS CYLINDER
EXCLAMATION MARK

SIGNAL WORD: DANGER

HAZARD STATEMENT:

EXTREMELY FLAMMABLE AEROSOL. CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED. CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. MAY CAUSE DROWSINESS OR DIZZINESS.

PRECAUTIONARY STATEMENT:

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. AVOID BREATHING GAS. WASH THOROUGHLY AFTER HANDLING. USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. CONTAMINATED WORK CLOTHING MUST NOT BE ALLOWED OUT OF THE WORKPLACE. WEAR PROTECTIVE GLOVES.

RESPONSE:

IF ON SKIN:

WASH WITH PLENTY OF WATER. TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE. SPECIFIC TREATMENT (SEE THIS LABEL).

IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.

IF INHALED:

REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. CALL A POISON CENTER/DOCTOR IF YOU FEEL UNWELL.

STORAGE:

STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. STORE LOCKED UP. PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F.

DISPOSAL:

DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS.

HAZARD(S) NOT OTHERWISE CLASSIFIED (HNOC): NONE KNOWN.

SUPPLEMENTAL INFORMATION: NONE.

3. COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURES:

CHEMICAL NAME AND SYNONYMS	COMMON NAME	CAS NUMBER	%
DISTILLATES PETROLEUM, HYDROTREATED LIGHT		64742-47-8	70 - 80
DISTILLATES PETROLEUM HYDROTREATED MED		64742-46-7	10 - 20
CARBON DIOXIDE		124-38-9	1 - 5
SORBITAN TRIOLEATE		26266-58-0	1 - 3
CALCIUM SULFONATE		61789-86-4	0.1 - 1

4. FIRST-AID MEASURES

INHALATION:

REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

SKIN CONTACT:

REMOVE CONTAMINATED CLOTHING IMMEDIATELY AND WASH SKIN WITH SOAP AND WATER. IN CASE OF ECZEMA OR OTHER SKIN DISORDERS: SEEK MEDICAL ATTENTION AND TAKE ALONG THESE INSTRUCTIONS. WASH CONTAMINATED CLOTHING BEFORE REUSE.

EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS.

INGESTION:

IN THE UNLIKELY EVENT OF SWALLOWING CONTACT A PHYSICIAN OR POISON CONTROL CENTER. RINSE MOUTH. DO NOT INDUCE VOMITING WITHOUT ADVICE FROM POISON CONTROL CENTER. IF VOMITING OCCURS, KEEP HEAD LOW SO THAT STOMACH CONTENT DOESN'T GET INTO THE LUNGS.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

MAY CAUSE DROWSINESS AND DIZZINESS. HEADACHE. NAUSEA, VOMITING. RASH. SKIN IRRITATION. MAY CAUSE REDNESS AND PAIN. MAY CAUSE AN ALLERGIC SKIN REACTION. DERMATITIS.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

PROVIDE GENERAL SUPPORTIVE MEASURES AND TREAT SYMPTOMATICALLY. KEEP VICTIM UNDER OBSERVATION. SYMPTOMS MAY BE DELAYED.

GENERAL INFORMATION:

ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED, AND TAKE PRECAUTIONS TO PROTECT THEMSELVES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

ALCOHOL RESISTANT FOAM. WATER SPRAY. WATER FOG. DRY CHEMICAL POWDER. DRY CHEMICALS. CARBON DIOXIDE (CO2).

UNSUITABLE EXTINGUISHING MEDIA:

DO NOT USE WATER JET AS AN EXTINGUISHER, AS THIS WILL SPREAD THE FIRE.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

CONTENTS UNDER PRESSURE. PRESSURIZED CONTAINER MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME. DURING FIRE, GASES HAZARDOUS TO HEALTH MAY BE FORMED.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

FIREFIGHTERS MUST USE STANDARD PROTECTIVE EQUIPMENT INCLUDING FLAME RETARDANT COAT, HELMET WITH FACE SHIELD, GLOVES, RUBBER BOOTS, AND IN ENCLOSED SPACES, SCBA.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:

IN CASE OF FIRE:

STOP LEAK IF SAFE TO DO SO. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK. COOL CONTAINERS EXPOSED TO HEAT WITH WATER SPRAY AND REMOVE CONTAINER, IF NO RISK IS INVOLVED. CONTAINERS SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILD UP. FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES, IF POSSIBLE. IF NOT, WITHDRAW AND LET FIRE BURN OUT.

SPECIFIC METHODS:

USE STANDARD FIREFIGHTING PROCEDURES AND CONSIDER THE HAZARDS OF OTHER INVOLVED MATERIALS. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK. COOL CONTAINERS EXPOSED TO FLAMES WITH WATER UNTIL WELL AFTER THE FIRE IS OUT. IN THE EVENT OF FIRE AND/OR EXPLOSION DO NOT BREATHE FUMES.

GENERAL FIRE HAZARDS:

EXTREMELY FLAMMABLE AEROSOL. CONTENTS UNDER PRESSURE. PRESSURIZED CONTAINER MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

KEEP UNNECESSARY PERSONNEL AWAY. KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK. KEEP OUT OF LOW AREAS. MANY GASES ARE HEAVIER THAN AIR AND WILL SPREAD ALONG GROUND AND COLLECT IN LOW OR CONFINED AREAS (SEWERS, BASEMENTS, TANKS). WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND CLOTHING DURING CLEAN-UP. AVOID BREATHING GAS. DO NOT TOUCH DAMAGED CONTAINERS OR SPILLED MATERIAL UNLESS WEARING APPROPRIATE PROTECTIVE CLOTHING. VENTILATE CLOSED SPACES BEFORE ENTERING THEM. LOCAL AUTHORITIES SHOULD BE ADVISED IF

SIGNIFICANT SPILLAGES CANNOT BE CONTAINED. USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8 OF THE SDS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:
REFER TO ATTACHED SAFETY DATA SHEETS AND/OR INSTRUCTIONS FOR USE. ELIMINATE ALL IGNITION SOURCES (NO SMOKING, FLARES, SPARKS, OR FLAMES IN IMMEDIATE AREA). KEEP COMBUSTIBLES (WOOD, PAPER, OIL, ETC.) AWAY FROM SPILLED MATERIAL. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. MOVE THE CYLINDER TO A SAFE AND OPEN AREA IF THE LEAK IS IRREPARABLE. USE WATER SPRAY TO REDUCE VAPORS OR DIVERT VAPOR CLOUD DRIFT. ISOLATE AREA UNTIL GAS HAS DISPERSED. DIKE FAR AHEAD OF SPILL FOR LATER DISPOSAL. SCOOP UP USED ABSORBENT INTO DRUMS OR OTHER APPROPRIATE CONTAINER. PREVENT ENTRY INTO WATERWAYS, SEWER, BASEMENTS OR CONFINED AREAS. FOLLOWING PRODUCT RECOVERY, FLUSH AREA WITH WATER. FOR WASTE DISPOSAL, SEE SECTION 13 OF THE SDS.

ENVIRONMENTAL PRECAUTIONS:
AVOID DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

PRESSURIZED CONTAINER:
DO NOT PIERCE OR BURN, EVEN AFTER USE. DO NOT USE IF SPRAY BUTTON IS MISSING OR DEFECTIVE. DO NOT SPRAY ON A NAKED FLAME OR ANY OTHER INCANDESCENT MATERIAL. DO NOT SMOKE WHILE USING OR UNTIL SPRAYED SURFACE IS THOROUGHLY DRY. DO NOT CUT, WELD, SOLDER, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION. DO NOT RE-USE EMPTY CONTAINERS. AVOID BREATHING GAS. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID PROLONGED EXPOSURE. USE ONLY IN WELL-VENTILATED AREAS. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
LEVEL 1 AEROSOL.

STORE LOCKED UP. PRESSURIZED CONTAINER. PROTECT FROM SUNLIGHT AND DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F. DO NOT PUNCTURE, INCINERATE OR CRUSH. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT OR OTHER SOURCES OF IGNITION. STORE IN ORIGINAL TIGHTLY CLOSED CONTAINER. STORE IN A WELL-VENTILATED PLACE. KEEP OUT OF THE REACH OF CHILDREN. STORE AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10 OF THE SDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

U.S. - OSHA:

COMPONENTS	TYPE	VALUE	FORM
DISTILLATES PETROLEUM, HYDROTEATED LIGHT (CAS 64742-47-8)	PEL	5 MG/M3	OIL MIST

US. OSHA TABLE Z-1 LIMITS FOR AIR CONTAMINANTS (29 CFR 1910.1000):

COMPONENTS	TYPE	VALUE
CARBON DIOXIDE (CAS 124-38-9)	PEL	9000 MG/M3 5000 PPM

ACGIH:

COMPONENTS	TYPE	VALUE	FORM
DISTILLATES PETROLEUM, HYDROTEATED LIGHT (CAS 64742-47-8)	TWA	5 MG/M3	OIL MIST

US. ACGIH THRESHOLD LIMIT VALUES:

COMPONENTS	TYPE	VALUE
CARBON DIOXIDE (CAS 124-38-9)	STEL	30000 PPM
	TWA	5000 PPM

US. NIOSH: POCKET GUIDE TO CHEMICAL HAZARDS

COMPONENTS	TYPE	VALUE
CARBON DIOXIDE (CAS 124-38-9)	STEL	54000 MG/M3 30000 PPM
	TWA	9000 MG/M3 5000 PPM

BIOLOGICAL LIMIT VALUES:
NO BIOLOGICAL EXPOSURE LIMITS NOTED FOR THE INGREDIENT(S).

APPROPRIATE ENGINEERING CONTROLS:
GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS. IF APPLICABLE, USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. IF EXPOSURE LIMITS HAVE NOT BEEN ESTABLISHED, MAINTAIN AIRBORNE LEVELS TO AN ACCEPTABLE LEVEL.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

SKIN PROTECTION:

HAND PROTECTION: CHEMICAL RESISTANT GLOVES ARE RECOMMENDED.

OTHER:
AVOID CONTACT WITH THE SKIN. WEAR APPROPRIATE CHEMICAL RESISTANT CLOTHING.

RESPIRATORY PROTECTION:
WHEN WORKERS ARE FACING CONCENTRATIONS ABOVE THE EXPOSURE LIMIT THEY MUST USE APPROPRIATE CERTIFIED RESPIRATORS.

THERMAL HAZARDS: NOT APPLICABLE.

GENERAL HYGIENE CONSIDERATIONS:
ALWAYS OBSERVE GOOD PERSONAL HYGIENE MEASURES, SUCH AS WASHING AFTER HANDLING THE MATERIAL AND BEFORE EATING, DRINKING, AND/OR SMOKING. ROUTINELY WASH WORK CLOTHING AND PROTECTIVE EQUIPMENT TO REMOVE CONTAMINANTS.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: LIQUID.

PHYSICAL STATE: GAS.

FORM: AEROSOL.

COLOR: AMBER.

ODOR: CHARACTERISTIC.

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT APPLICABLE

MELTING POINT/FREEZING POINT: <-58 DEG. F (<-50 DEG. C)

INITIAL BOILING POINT AND BOILING RANGE: 415.4 DEG. F (213 DEG. C)

FLASH POINT: 174.2 DEG. F (79.0 DEG. C) TAG CLOSED CUP (DISPENSED LIQUID)

EVAPORATION RATE: <0.1 (BUAC = 1)

FLAMMABILITY (SOLID, GAS): FLAMMABLE GAS.

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

FLAMMABILITY LIMIT - LOWER (%): 0.6%

FLAMMABILITY LIMIT - UPPER (%): 7%

EXPLOSIVE LIMIT - LOWER (%): NOT AVAILABLE.

EXPLOSIVE LIMIT - UPPER (%): NOT AVAILABLE.

VAPOR PRESSURE: <0.05 MMHg @ 20 DEG. C

VAPOR DENSITY: >1 (AIR = 1)

RELATIVE DENSITY: 0.79 - 0.81 @ 20 DEG. C

SOLUBILITY (IES):

SOLUBILITY (WATER): NOT SOLUBLE

PARTITION COEFFICIENT (N-OCTANOL/WATER): <1

AUTO-IGNITION TEMPERATURE: >442.4 DEG. F (>228 DEG. C)

DECOMPOSITION TEMPERATURE: NOT ESTABLISHED

VISCOSITY: <3.8 CST @ 25 DEG. C

OTHER INFORMATION:

HEAT OF COMBUSTION: NOT ESTABLISHED

PERCENT VOLATILE: 95 - 96%

VOC (WEIGHT %): 0.4% PER US STATE & FEDERAL CONSUMER PRODUCT REGULATIONS

10. STABILITY AND REACTIVITY

REACTIVITY:

THE PRODUCT IS STABLE AND NON-REACTIVE UNDER NORMAL CONDITIONS OF USE, STORAGE AND TRANSPORT

CHEMICAL STABILITY: MATERIAL IS STABLE UNDER NORMAL CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS:
HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

CONDITIONS TO AVOID:
AVOID HEAT, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. AVOID TEMPERATURES EXCEEDING THE FLASH POINT. CONTACT WITH INCOMPATIBLE MATERIALS.

INCOMPATIBLE MATERIALS: OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

INHALATION:
VAPORS HAVE A NARCOTIC EFFECT AND MAY CAUSE HEADACHE, FATIGUE, DIZZINESS AND NAUSEA.

SKIN CONTACT: CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION.

EYE CONTACT: DIRECT CONTACT WITH EYES MAY CAUSE TEMPORARY IRRITATION.

INGESTION: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:
SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, AND BLURRED VISION. SKIN IRRITATION. EXPOSURE MAY CAUSE TEMPORARY IRRITATION, REDNESS, OR DISCOMFORT. DEFATTING OF THE SKIN. RASH. VAPORS HAVE A NARCOTIC EFFECT AND MAY CAUSE HEADACHE, FATIGUE, DIZZINESS AND NAUSEA. DECREASE IN MOTOR FUNCTIONS. BEHAVIORAL CHANGES.

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY: NARCOTIC EFFECTS. MAY CAUSE AN ALLERGIC SKIN REACTION.

COMPONENTS	SPECIES	TEST RESULTS
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CALCIUM SULFONATE (CAS 61789-86-4):

ACUTE:

DERMAL:

LD50	RABBIT	>2000 MG/KG, 24 HOURS
	RAT	>2000 MG/KG, 24 HOURS

INHALATION:

LC50	RAT	>1.9 MG/L, 4 HOURS
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ORAL: LD50 RAT 10000 - 20000 MG/KG
DISTILLATES PETROLEUM HYDROTREATED MED (CAS 64742-46-7):
ACUTE:
DERMAL: LD50 RABBIT >2000 MG/KG, 24 HOURS
INHALATION: LC50 RAT 7640 MG/M3, 4 HOURS
1.72 MG/L, 4 HOURS
DISTILLATES PETROLEUM, HYDROTREATED LIGHT (CAS 64742-47-8):
ACUTE:
DERMAL: LD50 RABBIT >2000 MG/KG
>2000 MG/KG, 24 HOURS
INHALATION: LC50 CAT >6.4 MG/L, 6 HOURS
RAT >7.5 MG/L, 6 HOURS
>4.3 MG/L, 4 HOURS
>0.1 MG/L, 8 HOURS
ORAL: LD50 RAT >5000 MG/KG
SKIN CORROSION/IRRITATION: CAUSES SKIN IRRITATION.
SERIOUS EYE DAMAGE/EYE IRRITATION:
DIRECT CONTACT WITH EYES MAY CAUSE TEMPORARY IRRITATION.
RESPIRATORY OR SKIN SENSITIZATION:
RESPIRATORY SENSITIZATION: NOT A RESPIRATORY SENSITIZER.
SKIN SENSITIZATION: MAY CAUSE AN ALLERGIC SKIN REACTION.
GERM CELL MUTAGENICITY:
NO DATA AVAILABLE TO INDICATE PRODUCT OR ANY COMPONENTS PRESENT AT GREATER
THAN 0.1% ARE MUTAGENIC OR GENOTOXIC.
CARCINOGENICITY:
THIS PRODUCT IS NOT CONSIDERED TO BE A CARCINOGEN BY IARC, ACGIH, NTP, OR
OSHA.
OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050): NOT LISTED.
REPRODUCTIVE TOXICITY:
THIS PRODUCT IS NOT EXPECTED TO CAUSE REPRODUCTIVE OR DEVELOPMENTAL
EFFECTS.
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE: NARCOTIC EFFECTS.
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE:
BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.
ASPIRATION HAZARD: NOT LIKELY, DUE TO THE FORM OF THE PRODUCT.
CHRONIC EFFECTS: PROLONGED INHALATION MAY BE HARMFUL.

12. BIOLOGICAL INFORMATION

ECOTOXICITY: HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
COMPONENTS SPECIES TEST RESULTS
DISTILLATES PETROLEUM, HYDROTREATED LIGHT (CAS 64742-47-8):
AQUATIC:
FISH LC50 RAINBOW TROUT, DONALDSON 2.9 MG/L, 96 HOURS
TROUT (ONCORHYNCHUS MYKISS)
PERSISTENCE AND DEGRADABILITY: NOT INHERENTLY BIODEGRADABLE.
BIOACCUMULATIVE POTENTIAL: NOT AVAILABLE.
PARTITION COEFFICIENT N-OCTANOL / WATER (LOG KOW):
LPS(R*) 1 (AEROSOL): <1
MOBILITY IN SOIL: NO DATA AVAILABLE.
OTHER ADVERSE EFFECTS: NONE KNOWN.

13. DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS:
CONSULT AUTHORITIES BEFORE DISPOSAL. CONTENTS UNDER PRESSURE. DO NOT
PUNCTURE, INCINERATE OR CRUSH. DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE
WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS.
LOCAL DISPOSAL REGULATIONS:
DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
HAZARDOUS WASTE CODE:
D003: WASTE REACTIVE MATERIAL
WASTE FROM RESIDUES / UNUSED PRODUCTS:
DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS. EMPTY CONTAINERS OR LINERS
MAY RETAIN SOME PRODUCT RESIDUES. THIS MATERIAL AND ITS CONTAINER MUST BE
DISPOSED OF IN A SAFE MANNER (SEE: DISPOSAL INSTRUCTIONS).
CONTAMINATED PACKAGING:
EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR
RECYCLING OR DISPOSAL. SINCE EMPTIED CONTAINERS MAY RETAIN PRODUCT RESIDUE,
FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. DO NOT RE-USE EMPTY
CONTAINERS.

14. TRANSPORT INFORMATION

DOT:
UN NUMBER: UN1950
UN PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE
TRANSPORT HAZARD CLASS(ES):
CLASS: 2.1
SUBSIDIARY RISK:
LABEL(S): 2.1
PACKING GROUP: NOT APPLICABLE.
ENVIRONMENTAL HAZARDS:
MARINE POLLUTANT: NO
SPECIAL PRECAUTIONS FOR USER:
READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.
SPECIAL PROVISIONS: N82
PACKAGING EXCEPTIONS: 306
PACKAGING NON BULK: NONE
PACKAGING BULK: NONE
IATA:
UN NUMBER: UN1950
UN PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE
TRANSPORT HAZARD CLASS(ES):
CLASS: 2.1
SUBSIDIARY RISK:
PACKING GROUP: NOT APPLICABLE.
ENVIRONMENTAL HAZARDS: NO
ERG CODE: 10L
SPECIAL PRECAUTIONS FOR USER:
READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.
OTHER INFORMATION:
PASSENGER AND CARGO AIRCRAFT: ALLOWED.
CARGO AIRCRAFT ONLY: ALLOWED.
IMDG:
UN NUMBER: UN1950
UN PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE
TRANSPORT HAZARD CLASS(ES):
CLASS: 2.1
SUBSIDIARY RISK:
LABEL(S): 2.1
PACKING GROUP: NOT APPLICABLE.
ENVIRONMENTAL HAZARDS:
MARINE POLLUTANT: NO
EMS: F-D, S-U
SPECIAL PRECAUTIONS FOR USER:
READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:
THIS SUBSTANCE/MIXTURE IS NOT INTENDED TO BE TRANSPORTED IN BULK.
DOT: FLAMMABLE GAS, CLASS/DIVISION 2.1
IATA; IMDG: CLASS 2.1, FLAMMABLE GASES

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:
THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD
COMMUNICATION STANDARD, 29 CFR 1910.1200.
ALL COMPONENTS ARE ON THE U.S. EPA TSCA INVENTORY LIST.
TSCA SECTION 12(B) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D):
NOT REGULATED.
CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4): NOT LISTED.
SARA 304 EMERGENCY RELEASE NOTIFICATION: NOT REGULATED.
OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050): NOT LISTED.
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA):
HAZARD CATEGORIES:
IMMEDIATE HAZARD: YES
DELAYED HAZARD: NO
FIRE HAZARD: YES
PRESSURE HAZARD: YES
REACTIVITY HAZARD: NO
SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: NOT LISTED.
SARA 311/312 HAZARDOUS CHEMICAL: YES
SARA 313 (TRI REPORTING): NOT REGULATED.
OTHER FEDERAL REGULATIONS:
CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS) LIST:
NOT REGULATED.
CLEAN AIR ACT (CAA) SECTION 112(R) ACCIDENTAL RELEASE PREVENTION
(40 CFR 68.130): NOT REGULATED.
SAFE DRINKING WATER ACT (SDWA): NOT REGULATED.
US STATE REGULATIONS:

US. CALIFORNIA CONTROLLED SUBSTANCES. CA DEPARTMENT OF JUSTICE
(CALIFORNIA HEALTH AND SAFETY CODE SECTION 11100): NOT LISTED.

US. MASSACHUSETTS RTK - SUBSTANCE LIST: CARBON DIOXIDE (CAS 124-38-9)

US. NEW JERSEY WORKER AND COMMUNITY RIGHT-TO-KNOW ACT:
CARBON DIOXIDE (CAS 124-38-9)

US. PENNSYLVANIA WORKER AND COMMUNITY RIGHT-TO-KNOW LAW:
CARBON DIOXIDE (CAS 124-38-9)

US. RHODE ISLAND RTK: NOT REGULATED.

US. CALIFORNIA PROPOSITION 65:
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986
(PROPOSITION 65):
THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CHEMICALS CURRENTLY LISTED AS
CARCINOGENS OR REPRODUCTIVE TOXINS.

INTERNATIONAL INVENTORIES:

COUNTRY(S) OR REGION	INVENTORY NAME	ON INVENTORY (YES/NO)*
AUSTRALIA	AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS)	YES
CANADA	DOMESTIC SUBSTANCES LIST (DSL)	YES
CANADA	NON-DOMESTIC SUBSTANCES LIST (NDSL)	NO
CHINA	INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA (IECSC)	NO
EUROPE	EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS)	YES
EUROPE	EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS)	NO
JAPAN	INVENTORY OF EXISTING AND NEW CHEMICAL SUBSTANCES (ENCs)	NO
KOREA	EXISTING CHEMICALS LIST (ECL)	YES
NEW ZEALAND	NEW ZEALAND INVENTORY	NO
PHILIPPINES	PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES (PICCS)	YES
UNITED STATES & TOXIC SUBSTANCES CONTROL ACT (TSCA) PUERTO RICO	INVENTORY	YES

*A "YES" INDICATES THAT ALL COMPONENTS OF THIS PRODUCT COMPLY WITH THE
INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY(S)

A "NO" INDICATES THAT ONE OR MORE COMPONENTS OF THE PRODUCT ARE NOT LISTED
OR EXEMPT FROM LISTING ON THE INVENTORY ADMINISTERED BY THE GOVERNING
COUNTRY(S).

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION
OR LAST REVISION

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MATERIAL NAME: LPS(R*) 1 (AEROSOL)

802

SDS: US