ITEM: 16W546 - Silicone Lubricant Aerosol Can 11 ORDER: 0158359034 LP NUMBER: U878134701

MATERIAL SAFETY DATA SHEET (MSDS)

SDS - D2345

Associated Grainger Items 16W546

MSDS: D2345

"BLASTER" (R*)

SILICONE LUBE

SAFETY DATA SHEET

ACCORDING TO THE HAZARD COMMUNICATION STANDARD (CFR29 1910.1200) HAZCOM 2012.

DATE OF ISSUE: 11/26/2013

REVISION DATE: 11/26/2013

VERSION: 1.0

- SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER:

PRODUCT FORM: MIXTURE

PRODUCT NAME: SILICONE LUBE

PRODUCT CODE: 8-SL-S, 16-SL, 16-SL-THD

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

USE OF THE SUBSTANCE/MIXTURE: MULTI-PURPOSE LUBRICANT.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

THE BLASTER CORPORATION 8500 SWEET VALLEY DRIVE VALLEY VIEW, OHIO 44125

T: (216) 901-5800 F: (216) 901-5801

WWW.BLASTERPRODUCTS.COM

1.4. EMERGENCY TELEPHONE NUMBER:

EMERGENCY NUMBER: CHEMIREC: (800) 424-9300

- SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

GHS-US CLASSIFICATION: FLAWMABLE AEROSOL 1 GASES UNDER PRESSURE (DISSOLVED GAS) SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE 3 ASPIRATION HAZARD 1

2.2. LABEL ELEMENTS:

GHS-US LABELLING: HAZARD PICTOGRAM (GHS-US):

GHS02: FLAME GHS04: GAS CYLINDER GHS07: EXCLAMATION MARK GHS08: HEALTH HAZARD

SIGNAL WORD (GHS-US): DANGER

HAZARD STATEMENTS (GHS-US): EXTREMELY FLAMMABLE AFROSOL. CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEALTED. MAY CAUSE DROWSINESS OR DIZZINESS. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

PRECAUTIONARY STATEMENTS (GHS-US): 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 DUST/FUME/GAS/MIST/VAPOURS/SPRAY. USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.

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

IF INHALED:
REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. CALL A
POISON CENTER OR DOCTOR IF YOU FEEL UNMELL. STORE IN A WELL-VENTILATED
PLACE. STORE LOCKED UP. DO NOT EXPOSE TO TEMPERATURES EXCEPDING
50 DEG. C/122 DEG. F. DISPOSE OF CONTENTS AND CONTAINER IN ACCORDANCE
WITH ALL LOCAL, REGIONAL, NATIONAL AND INTERNATIONAL REGULATIONS.

2.3. OTHER HAZARDS: NO ADDITIONAL INFORMATION AVAILABLE

- SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCE: NOT APPLICABLE

3.2. MIXTURE:

NAME PRODUCT IDENTIFIER

GHS-US CLASSIFICATION

HYDROTREATED LIGHT

30 - 60 FLAM. LIQ. 1 STOT SE 3 ASP. TOX. 1 ALKANES, C9-11-ISO- (CAS NO) 68551-16-6

THE EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET IN ACCORDANCE WITH PARAGRAPH (I) OF SUBSECTION 1910.1200.

- SECTION 4: FIRST ATD MEASURES -

4.1. DESCRIPTION OF FIRST AID MEASURES:

FIRST-AID MEASURES AFTER INHALATION: IF BREATHING IS DIFFICULT, REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMPORIABLE FOR BREATHING. GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL.

FIRST-AID MEASURES AFTER SKIN CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLEVTY OF WATER. CALL A PHYSICIAN IF IRRITATION DEVELOPS AND PERSISTS.

FIRST-AID MEASURES AFTER EYE CONTACT:
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT
LEAST 15 MINUTES. IF EASY TO DO, REMOVE CONTACT LENSES, IF WORN. IF
IRRITATION PERSISTS, GET MEDICAL ATTENTION.

FIRST-AID MEASURES AFTER INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET IMMEDIATE MEDICAL ADVICE/ATTENTION.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

SYMPTOMS/INJURIES AFTER INHALATION: VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS. MAY CAUSE RESPIRATORY TRACT IRRITATION.

SYMPTOMS/INJURIES AFTER SKIN CONTACT: MAY CAUSE SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS, DRYING, DEFAITING AND CRACKING OF THE SKIN.

SYMPIOMS/INJURIES AFTER EYE CONTACT: MAY CAUSE EYE IRRITATION. SYMPIOMS MAY INCLUDE DISCOMPORT OR PAIN, E BLINKING AND TEAR PRODUCTION, WITH POSSIBLE REDNESS AND SWELLING.

SYMPTOMS/INJURIES AFTER INGESTION: MAY BE FATTAL IF SWALLOWED AND ENTERS AIRWAYS. MAY CAUSE STOMACH DISTRESS, NAUSEA OR VOMITING. THIS PRODUCT MAY BE ASPIRATED INTO THE LUNGS AND CAUSE CHEMICAL PNEUMONITIS.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT H.S. LIBERTHAN, OF APPEAR IMMEDIATELY. IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL OR SDS WHERE

- SECTION 5: FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, HALONS, FOAM.

UNSUITABLE EXTINGUISHING MEDIA: NONE KNOWN.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

FIRE HAZARD:
PRODUCTS OF COMBUSTION MAY INCLUDE, AND ARE NOT LIMITED TO:
OXIDES OF CARBON. EXTREMELY FLAMMABLE AEROSOL.

HEAT MAY BUILD PRESSURE, RUPTURING CLOSED CONTAINERS, SPREADING FIRE AND INCREASING RISK OF BURNS AND INJURIES.

5.3. ADVICE FOR FIREFIGHTERS:

FIREFIGHTING INSTRUCTIONS:
COOL CLOSED CONTAINERS EXPOSED TO FIRE WITH WATER.

PROTECTION DURING FIREFIGHTING: KEEP UPWIND OF FIRE. WEAR FULL FIRE FIGHTING TURN-OUT GEAR (FULL BUNKER GEAR) AND RESPIRATORY PROTECTION (SCBA).

- SECTION 6: ACCIDENTAL RELEASE MEASURES -

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

6.1.1. FOR NON-EMERGENCY PERSONNEL:

PROTECTIVE EQUIPMENT:

USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8. ISOLATE THE HAZARD AREA AND DENY ENTRY TO UNNECESSARY AND UNPROTECTED PERSONNEL.

6.1.2. FOR EMERGENCY RESPONDERS: NO ADDITIONAL INFORMATION AVAILABLE

6.2. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

FOR CONTAINMENT:

FOR CONTAINENT: BLIMINATE SOURCES OF IGNITION. CONTAIN AND/OR ABSORB SPILL WITH INERT MATERIAL (E.G. SAND, VERMICULITE), THEN PLACE IN A SUITABLE CONTAINER. DO NOT FLUSH TO SEMER OR ALLOW TO ENIER WATERWAYS. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE).

METHODS FOR CLEANING UP: SCOOP UP MATERIAL AND PLACE IN A DISPOSAL CONTAINER. VAPOURS MAY BE HEAVIER

THAN AIR AND MAY TRAVEL ALONG THE GROUND TO A DISTANT IGNITION SOURCE AND FLASH BACK. PROVIDE VENTILATION.

 $6.3.\ REFERENCE$ TO OTHER SECTIONS: SEE SECTION 8 FOR FURTHER INFORMATION ON PROTECTIVE CLOTHING AND EQUIPMENT AND SECTION 13 FOR ADVICE ON WASTE DISPOSAL.

- SECTION 7: HANDLING AND STORAGE -

7.1. PRECAUTIONS FOR SAFE HANDLING:

PRECAUTIONS FOR SAFE HANDLING:
AVOID CONTACT WITH SKIN AND EYES. DO NOT SWALLOW, AVOID BREATHING GAS,
FUMES, VAPOUR OR SPRAY, WHEN USING DO NOT EAT, DRINK OR SWOKE. DO NOT SPRAY
ON AN OPEN FILME OR OTHER IGNITION SOURCE. OBTAIN SPECIAL INSTRUCTIONS
BEFORE USE. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND
UNDERSTOOD. USE ONLY OUIDORS OR IN A WELL-VENTILATED AREA. KEEP AWAY FROM
SOURCES OF IGNITION. - NO SMOKING.

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

HYGIENE MEASURES: WASH HANDS BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

TECHNICAL MEASURES:

PROPER GROUNDING PROCEDURES TO AVOID STATIC ELECTRICITY SHOULD BE FOLLOWED.

STORAGE CONDITIONS: REACH OF CHILDREN. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DBG. C/122 DBG. F. STORE AWAY FROM DIRECT SUBLIGHT OR OTHER HEAT SOURCES. STORE IN A DRY PLACE.

STORAGE AREA: STORE IN A WELL-VENTILATED PLACE.

7.3. SPECIFIC END USE(S): NOT AVAILABLE.

- SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION -

8.1. CONTROL PARAMETERS:

PETROLEUM DISTILLATES, HYDROTREATED LIGHT (64742-47-8):

USA ACGIH: ACGIH TWA (MG/M3): 200 MG/M3

OSHA PEL (TWA) (PPM): 100 PPM

8.2. EXPOSURE CONTROLS:

APPROPRIATE ENGINEERING CONTROLS:
USE VENTILATION ADEQUATE TO KEEP EXPOSURES (AIRBORNE LEVELS OF DUST, FUME,
VAPOR, ETC.) BELOW RECOMMENDED EXPOSURE LIMITS.

HAND PROTECTION: WEAR CHEMICALLY RESISTANT PROTECTIVE GLOVES.

EYE PROTECTION: SAFETY GLASSES OR GOOGLES ARE RECOMMENDED WHEN USING PRODUCT.

SKIN AND BODY PROTECTION: WEAR SUITABLE PROTECTIVE CLOTHING.

RESPIRATORY PROTECTION:

A NIOSH APPROVED RESPIRATOR IS RECOMMENDED IN POORLY VENTILATED AREAS OR WHEN PERMISSIBLE EXPOSURE LIMITS MAY BE EXCEEDED. RESPIRATOR SELECTION MUST BE BASED ON KNOWN OR ANTICIPATED EXPOSURE LEVELS, THE HAZARDS OF THE PRODUCT AND THE SAFE WORKING LIMITS OF THE SELECTED RESPIRATOR.

ENVIRONMENTAL EXPOSURE CONTROLS:
MAINTAIN LEVELS BELOW COMMUNITY ENVIRONMENTAL PROTECTION THRESHOLDS.

OTHER INFORMATION: DO NOT EAT, SMOKE OR DRINK WHERE MATERIAL IS HANDLED, PROCESSED OR STORED. WASH HANDS CAREFULLY BEFORE EATING OR SMOKING. HANDLE ACCORDING TO ESTABLISHED INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

- SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: GAS/PRESSURIZED LIQUID.

APPEARANCE: CLEAR LIQUID.

COLOUR: CLEAR.

ODOUR: MILD ALIPHATIC.

ODOUR THRESHOLD: NO DATA AVAILABLE.

PH: NO DATA AVAILABLE.

RELATIVE EVAPORATION RATE (BUTYLACETATE=1): >1 (NBA=1)

MELTING POINT: NO DATA AVAILABLE.

FREEZING POINT: NO DATA AVAILABLE.

BOILING POINT: 182 DEG. C / 360 DEG. F

FLASH POINT: 54 DEG. C / 130 DEG. F TCC

SELF IGNITION TEMPERATURE: NO DATA AVAILABLE.

DECOMPOSITION TEMPERATURE: NO DATA AVAILABLE.

FLAMMABILITY (SOLID, GAS): FLAMMABLE AEROSOL.

VAPOUR PRESSURE: NO DATA AVAILABLE.

RELATIVE VAPOUR DENSITY AT 20 DEG. C: NO DATA AVAILABLE.

RELATIVE DENSITY: 0.81

SOLUBILITY: NEGLIGIBLE.

LOG POW: NO DATA AVAILABLE.

LOG KOW: NO DATA AVAILABLE.

VISCOSITY, KINEMATIC: NO DATA AVAILABLE.

VISCOSITY, DYNAMIC: NO DATA AVAILABLE.

EXPLOSIVE PROPERTIES: NO DATA AVAILABLE.

OXIDISING PROPERTIES: NO DATA AVAILABLE.

EXPLOSIVE LIMITS: NO DATA AVAILABLE.

9.2. OTHER INFORMATION:

FLAME PROJECTION: NONE

HEAT OF COMBUSTION: 43.5 KJ/G

- SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY: NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.

10.2. CHEMICAL STABILITY: STABLE UNDER NORMAL STORAGE CONDITIONS. EXTREMELY FLAMMABLE AEROSOL. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED. DO NOT PUNCTURE. DO NOT BURN

10.3. POSSIBILITY OF HAZARDOUS REACTIONS: NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.

10.4. CONDITIONS TO AVOID: HEAT. INCOMPATIBLE MATERIALS. SOURCES OF IGNITION.

10.5. INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS. STRONG REDUCING AGENTS. WATER.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS:
MAY INCLUDE, AND ARE NOT LIMITED TO: OXIDES OF CARBON, HYDROCARBONS.

— SECTION 11: TOXICOLOGICAL INFORMATION -

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:
BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

PETROLEUM DISTILLATES, HYDROTREATED LIGHT (64742-47-8): LD50 ORAL RAT: >5000 Mg/Kg LD50 DERMAL RABBIT: >2000 Mg/Kg LC50 INHALATION RAT (Mg/L): >5.2 Mg/L/4H

ALKANES, C9-11-ISO- (68551-16-6): LD50 ORAL RAT: 34600 MG/KG LD50 DERMAL RAT: 15400 MG/KG LC50 INHALATION RAT (MG/L): >12.4 MG/L/4H

SILICONE LUBE: ATE (ORAL): >2000 Mg/Kg, RAT ATE (DERMAL): >2000 Mg/Kg, RABBIT ATE (INHALATION): >5 Mg/L/4H, RAT

SKIN CORROSION/IRRITATION: BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

SERIOUS EYE DAMAGE/IRRITATION: BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

RESPIRATORY OR SKIN SENSITISATION: BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

GERM CELL MUTAGENICITY: BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

REPRODUCTIVE TOXICITY:

BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): MAY CAUSE DROWSINESS OR DIZZINESS.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

ASPIRATION HAZARD: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

SYMPTOMS/INJURIES AFTER INHALATION:

VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS. MAY CAUSE RESPIRATORY TRACT

SYMPTOMS/INTURIES AFTER SKIN CONTACT:

MAY CAUSE SKIN IRRITATION. SYMPTOMS MAY INCLUDE REINESS, DRYING, DEFATTING AND CRACKING OF THE SKIN.

SYMPIOMS/INJURIES AFTER EYE CONTACT: MAY CAUSE EYE IRRITATION. SYMPIOMS MAY INCLUDE DISCOMFORT OR PAIN, EX BLINKING AND TEAR PRODUCTION, WITH POSSIBLE REDNESS AND SWELLING.

SYMPTOMS/INJURIES AFTER INGESTION:

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. MAY CAUSE STOMACH DISTRESS, NAUSEA OR VOMITING. THIS PRODUCT MAY BE ASPIRATED INTO THE LUNGS AND CAUSE CHEMICAL PNEUMONITIS.

- SECTION 12: ECOLOGICAL INFORMATION -

12.1. TOXICITY:

ECOLOGY - GENERAL:
MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

12.2. PERSISTENCE AND DEGRADABILITY:

SILICONE LUBE: PERSISTENCE AND DEGRADABILITY: NOT ESTABLISHED. 12.3. BIOACCUMULATIVE POTENTIAL: SILICONE LUEE: BIOACCUMULATIVE POTENTIAL: NOT ESTABLISHED. 12.4. MOBILITY IN SOIL: NO ADDITIONAL INFORMATION AVAILABLE 12.5. OTHER ADVERSE EFFECTS: NO ADDITIONAL INFORMATION AVAILABLE - SECTION 13: DISPOSAL CONSIDERATIONS -13.1. WASTE TREATMENT METHODS: WASTE DISPOSAL RECOMMENDATIONS: THIS MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, PROVINCIAL, AND FEDERAL RESULATIONS. THE GENERATION OF WASTE SHOULD BE AVOIDED OR MINIMIZED WHEREVER POSSIBLE. ADDITIONAL INFORMATION: FLAMMABLE VAPOURS MAY ACCUMULATE IN THE CONTAINER. - SECTION 14: TRANSPORT INFORMATION IN ACCORDANCE WITH DOT: 14.1. UN NUMBER: UN-NO. (DOT): UN1950 14.2. UN PROPER SHIPPING NAME: DOT PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE, LIMITED QUANTITIES HAZARD CLASS (DOT): 2.1 PACKING GROUP (DOT): NOT APPLICABLE. HAZAKO LABELS (DOT): LIMITED QUANTITTY FOR PACKAGES NOT PREPARED FOR AIR TRANSPORT 14.3. ADDITIONAL INFORMATION: OTHER INFORMATION: NO SUPPLEMENTARY INFORMATION AVAILABLE. SPECIAL TRANSPORT PRECAUTIONS:
DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. - SECTION 15: REGULATORY INFORMATION -15.1. US FEDERAL REGULATIONS: PETROLEUM DISTILLATES, HYDROTREATED LIGHT (64742-47-8): LISTED ON THE UNITED STATES TSCA (TOXIC SUBSTANCES CONTROL ACT) INVENTORY ALKANES, C9-11-ISO- (68551 -16-6): LISTED ON THE UNITED STATES TSCA (TOXIC SUBSTANCES CONTROL ACT) INVENTORY 15.2. US STATE REGULATIONS: SILICONE LUBE ():

STATE OR LOCAL REGULATIONS:
THIS PRODUCT DOES NOT CONTAIN A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA
TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

- SECTION 16: OTHER INFORMATION

INDICATION OF CHANGES: NONE.

OTHER INFORMATION: NONE.

THIS INFORMATION IS BASED ON OUR CURRENT KNOWLEDGE AND IS INTENDED TO DESCRIBE THE PRODUCT FOR THE FURPOSES OF HEALITH, SAFETY AND ENVIRONMENTAL REQUULTEWENTS ONLY. IT SHOULD NOT THEREFORE BE CONSTRUED AS GUARANTEEING ANY SPECIFIC PROPERTY OF THE PRODUCT

EN (ENGLISH)