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SDS

Common Name: GUNK BRAKE PARTS CLEANER - NON CHLORINATED, M715

Manufacturer: RSC CHEMICAL SOLUTIONS

SDS Revision Date: 8/2/2018

SDS Format: GHS-US

Item Number(s): 1MPZ5, 54YK22, 54YK56

Manufacturer Model Number(s):

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GUNK (R*)

SAFETY DATA SHEET

1. IDENTIFICATION



PRODUCT IDENTIFIER: GUNK BRAKE PARTS CLEANER - NON CHLORINATED

OTHER MEANS OF IDENTIFICATION:

SDS NUMBER: M715

PART NO.: M715

TARIFF CODE: 3814.00.5090

RECOMMENDED USE: BRAKE PARTS CLEANER

RECOMMENDED RESTRICTIONS: NONE KNOWN.

MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION:

MANUFACTURER:

COMPANY NAME: RSC CHEMICAL SOLUTIONS

ADDRESS:

600 RADIATOR ROAD
INDIAN TRAIL, NC 28079
UNITED STATES

TELEPHONE:

CUSTOMER SERVICE: (704) 821-7643
TECHNICAL: (704) 821-7643

WEBSITE: WWW.RSCBRANDS.COM

E-MAIL: SDS@RSCBRANDS.COM

EMERGENCY PHONE NUMBER:

EMERGENCY TELEPHONE: (303) 623-5716

EMERGENCY CONTACT:

RMPDC: (877) 740-5015

2. HAZARD(S) IDENTIFICATION



PHYSICAL HAZARDS:

FLAMMABLE AEROSOLS: CATEGORY 1

HEALTH HAZARDS:

SKIN CORROSION/IRRITATION: CATEGORY 2

SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 2

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

SPECIFIC TARGET ORGAN TOXICITY, REPEATED EXPOSURE: CATEGORY 2

ASPIRATION HAZARD: CATEGORY 1

ENVIRONMENTAL HAZARDS:

HAZARDOUS TO THE AQUATIC ENVIRONMENT, HAZARD: ACUTE CATEGORY 2

HAZARDOUS TO THE AQUATIC ENVIRONMENT, LONG-TERM HAZARD: CATEGORY 2

OSHA DEFINED HAZARDS: NOT CLASSIFIED.

LABEL ELEMENTS:

FLAME
HEALTH HAZARDS
EXCLAMATION MARK
ENVIRONMENT

SIGNAL WORD: DANGER

HAZARD STATEMENT:

EXTREMELY FLAMMABLE AEROSOL. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE DROWSINESS
OR DIZZINESS. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED
EXPOSURE. TOXIC TO AQUATIC LIFE. TOXIC TO AQUATIC LIFE WITH LONG LASTING
EFFECTS.

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. DO NOT BREATHE MIST OR VAPOR. WASH THOROUGHLY AFTER HANDLING. USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. AVOID RELEASE TO THE ENVIRONMENT. WEAR EYE PROTECTION/FACE PROTECTION. WEAR PROTECTIVE GLOVES.

RESPONSE:

IF SWALLOWED:

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

IF ON SKIN: WASH WITH PLENTY OF WATER.

IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. CALL A POISON CENTER/DOCTOR IF YOU FEEL UNWELL.

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION.

IF EYE IRRITATION PERSISTS:

GET MEDICAL ADVICE/ATTENTION. TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE. COLLECT SPILLAGE.

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:

32% OF THE MIXTURE CONSISTS OF COMPONENT(S) OF UNKNOWN ACUTE ORAL TOXICITY. 32% OF THE MIXTURE CONSISTS OF COMPONENT(S) OF UNKNOWN ACUTE DERMAL TOXICITY. 56% OF THE MIXTURE CONSISTS OF COMPONENT(S) OF UNKNOWN ACUTE HAZARDS TO THE AQUATIC ENVIRONMENT. 56% OF THE MIXTURE CONSISTS OF COMPONENT(S) OF UNKNOWN LONG-TERM HAZARDS TO THE AQUATIC ENVIRONMENT.

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 CONTAINER LABEL MAY NOT INCLUDE THE OSHA LABEL ELEMENTS LISTED IN THIS DOCUMENT. ALWAYS CAREFULLY REVIEW THE ENTIRE SDS AND THE PRODUCT LABEL PRIOR TO USE IN THE WORKPLACE.

3. COMPOSITION/INFORMATION ON INGREDIENTS



MIXTURES:

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS NUMBER	%
2-PROPANONE		67-64-1	40 - <50
BENZENE, DIMETHYL		1330-20-7	20 - <30
HEPTANE		142-82-5	20 - <30
CARBON DIOXIDE		124-38-9	10 - <20

*DESIGNATES THAT A SPECIFIC CHEMICAL IDENTITY AND/OR PERCENTAGE OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET.

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. WASH WITH PLENTY OF SOAP AND WATER.

IF SKIN IRRITATION OCCURS:

GET MEDICAL ADVICE/ATTENTION. 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:

CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. RINSE MOUTH. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD LOW SO THAT STOMACH CONTENT DOESN'T GET INTO THE LUNGS.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

ASPIRATION MAY CAUSE PULMONARY EDEMA AND PNEUMONITIS. MAY CAUSE DROWSINESS AND DIZZINESS. HEADACHE. NAUSEA, VOMITING. SEVERE EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, AND BLURRED VISION. SKIN IRRITATION. MAY CAUSE REDNESS AND PAIN. PROLONGED EXPOSURE MAY CAUSE CHRONIC EFFECTS.

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:

IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE). ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED, AND TAKE PRECAUTIONS TO PROTECT THEMSELVES.

5. FIRE-FIGHTING MEASURES



SUITABLE EXTINGUISHING MEDIA:

ALCOHOL RESISTANT FOAM. POWDER. 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:

MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK. 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. IN THE EVENT OF FIRE AND/OR EXPLOSION DO NOT BREATHE FUMES.

GENERAL FIRE HAZARDS: EXTREMELY FLAMMABLE AEROSOL.

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

KEEP UNNECESSARY PERSONNEL AWAY. KEEP PEOPLE AWAY FROM AND UPWIND OF SPILL/LEAK. WEAR APPROPRIATE PROTECTIVE EQUIPMENT AND CLOTHING DURING CLEAN-UP. DO NOT BREATHE MIST OR VAPOR. 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. FOR PERSONAL PROTECTION, SEE SECTION 8 OF THE SDS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

REFER TO ATTACHED SAFETY DATA SHEETS AND/OR INSTRUCTIONS FOR USE. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. MOVE THE CYLINDER TO A SAFE AND OPEN AREA IF THE LEAK IS IRREPARABLE. ELIMINATE ALL IGNITION SOURCES (NO SMOKING, FLARES, SPARKS, OR FLAMES IN IMMEDIATE AREA). KEEP COMBUSTIBLES (WOOD, PAPER, OIL, ETC.) AWAY FROM SPILLED MATERIAL. THIS MATERIAL IS CLASSIFIED AS A WATER POLLUTANT UNDER THE CLEAN WATER ACT AND SHOULD BE PREVENTED FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS WHICH LEAD TO WATERWAYS. ABSORB IN VERMICULITE, DRY SAND OR EARTH AND PLACE INTO CONTAINERS. FOLLOWING PRODUCT RECOVERY, FLUSH AREA WITH WATER.

SMALL SPILLS:

WIPE UP WITH ABSORBENT MATERIAL (E.G. CLOTH, FLEECE). CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION. FOR WASTE DISPOSAL, SEE SECTION 13 OF THE SDS.

ENVIRONMENTAL PRECAUTIONS:

AVOID RELEASE TO THE ENVIRONMENT. INFORM APPROPRIATE MANAGERIAL OR SUPERVISORY PERSONNEL OF ALL ENVIRONMENTAL RELEASES. PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. 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. ALL EQUIPMENT USED WHEN HANDLING THE PRODUCT MUST BE GROUNDED. DO NOT RE-USE EMPTY CONTAINERS. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID PROLONGED EXPOSURE. USE ONLY IN WELL-VENTILATED AREAS. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. WASH HANDS THOROUGHLY AFTER HANDLING. AVOID RELEASE TO THE ENVIRONMENT. OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

LEVEL 2 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. THIS MATERIAL CAN ACCUMULATE STATIC CHARGE WHICH MAY CAUSE SPARK AND BECOME AN IGNITION SOURCE. STORE IN TIGHTLY CLOSED CONTAINER. STORE AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10 OF THE SDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



OCCUPATIONAL EXPOSURE LIMITS:

THE FOLLOWING CONSTITUENTS ARE THE ONLY CONSTITUENTS OF THE PRODUCT WHICH HAVE A PEL, TLV OR OTHER RECOMMENDED EXPOSURE LIMIT. AT THIS TIME, THE OTHER CONSTITUENTS HAVE NO KNOWN EXPOSURE LIMITS.

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

COMPONENTS	TYPE	VALUE
2-PROPANONE (CAS 67-64-1)	PEL	2400 MG/M3 1000 PPM
BENZENE, DIMETHYL (CAS 1330-20-7)	PEL	435 MG/M3 100 PPM
CARBON DIOXIDE (CAS 124-38-9)	PEL	9000 MG/M3 5000 PPM
HEPTANE (CAS 142-82-5)	PEL	2000 MG/M3 500 PPM

US. ACGIH THRESHOLD LIMIT VALUES:

COMPONENTS	TYPE	VALUE
2-PROPANONE (CAS 67-64-1)	STEL	500 PPM
	TWA	250 PPM
BENZENE, DIMETHYL (CAS 1330-20-7)	STEL	150 PPM
	TWA	100 PPM
CARBON DIOXIDE (CAS 124-38-9)	STEL	30000 PPM
	TWA	5000 PPM
HEPTANE (CAS 142-82-5)	STEL	500 PPM
	TWA	400 PPM

US. NIOSH: POCKET GUIDE TO CHEMICAL HAZARDS

COMPONENTS	TYPE	VALUE
2-PROPANONE (CAS 67-64-1)	TWA	590 MG/M3 250 PPM
	STEL	655 MG/M3 150 PPM
BENZENE, DIMETHYL (CAS 1330-20-7)	TWA	435 MG/M3 100 PPM
	STEL	54000 MG/M3 30000 PPM

	TWA	9000 MG/M3 5000 PPM
HEPTANE (CAS 142-82-5)	CEILING	1800 MG/M3 440 PPM
	TWA	350 MG/M3 85 PPM

BIOLOGICAL LIMIT VALUES:

ACGIH BIOLOGICAL EXPOSURE INDICES:

COMPONENTS	VALUE	DETERMINANT	SPECIMEN	SAMPLING TIME
2-PROPANONE (CAS 67-64-1)	25 MG/L	ACETONE	URINE	*
BENZENE, DIMETHYL (CAS 1330-20-7)	1.5 G/G	METHYLHIPURIC ACIDS	CREATININE IN URINE	*

* - FOR SAMPLING DETAILS, PLEASE SEE THE SOURCE DOCUMENT.

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. PROVIDE EYEWASH STATION AND SAFETY SHOWER.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION:

CHEMICAL RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE AND FULL FACEPIECE.

SKIN PROTECTION:

HAND PROTECTION: WEAR APPROPRIATE CHEMICAL RESISTANT GLOVES.

OTHER:

WEAR APPROPRIATE CHEMICAL RESISTANT CLOTHING. USE OF AN IMPERVIOUS APRON IS RECOMMENDED.

RESPIRATORY PROTECTION:

CHEMICAL RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE AND FULL FACEPIECE.
CHEMICAL RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE AND FULL FACEPIECE IF THRESHOLD LIMITS ARE EXCEEDED.

THERMAL HAZARDS:

WEAR APPROPRIATE THERMAL PROTECTIVE CLOTHING, WHEN NECESSARY.

GENERAL HYGIENE CONSIDERATIONS:

WHEN USING DO NOT SMOKE. 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: CLEAR. LIQUID

PHYSICAL STATE: LIQUID.

FORM: AEROSOL.

COLOR: COLORLESS

ODOR: HYDROCARBON LIKE

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT AVAILABLE.

MELTING POINT/FREEZING POINT: -138.46 DEG. F (-94.7 DEG. C) ESTIMATED

INITIAL BOILING POINT AND BOILING RANGE:
-109.3 DEG. F (-78.5 DEG. C) ESTIMATED

FLASH POINT: -4.0 DEG. F (-20.0 DEG. C)

EVAPORATION RATE: NOT AVAILABLE.

FLAMMABILITY (SOLID, GAS): NOT APPLICABLE.

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:
FLAMMABILITY LIMIT - LOWER (%): 2.6% ESTIMATED
FLAMMABILITY LIMIT - UPPER (%): 12.8% ESTIMATED

EXPLOSIVE LIMIT - LOWER (%): NOT AVAILABLE.
EXPLOSIVE LIMIT - UPPER (%): NOT AVAILABLE.

VAPOR PRESSURE: 6597.56 HPA ESTIMATED

VAPOR DENSITY: NOT AVAILABLE.

RELATIVE DENSITY: NOT AVAILABLE.

SOLUBILITY (IES):
SOLUBILITY (WATER): NOT AVAILABLE.

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

AUTO-IGNITION TEMPERATURE: 869 DEG. F (465 DEG. C) ESTIMATED

DECOMPOSITION TEMPERATURE: NOT AVAILABLE.

VISCOSITY: NOT AVAILABLE.

OTHER INFORMATION:

DENSITY: 6.50 LBS/GAL ESTIMATED

EXPLOSIVE PROPERTIES: NOT EXPLOSIVE.

FLAMMABILITY CLASS: FLAMMABLE IA ESTIMATED

HEAT OF COMBUSTION (NFPA 30B): 27.79 KJ/G ESTIMATED

OXIDIZING PROPERTIES: NOT OXIDIZING.

PERCENT VOLATILE: 68% ESTIMATED

SPECIFIC GRAVITY: 0.78 ESTIMATED

VOC: 44% ESTIMATED

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:
KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. AVOID TEMPERATURES EXCEEDING THE FLASH POINT. CONTACT WITH INCOMPATIBLE MATERIALS.

INCOMPATIBLE MATERIALS:
STRONG ACIDS. STRONG OXIDIZING AGENTS. ALUMINUM. HALOGENS.

HAZARDOUS DECOMPOSITION PRODUCTS:
NO HAZARDOUS DECOMPOSITION PRODUCTS ARE KNOWN.

11. TOXICOLOGICAL INFORMATION



INFORMATION ON LIKELY ROUTES OF EXPOSURE:

INHALATION:
MAY CAUSE DROWSINESS AND DIZZINESS. HEADACHE. NAUSEA, VOMITING. PROLONGED INHALATION MAY BE HARMFUL.

SKIN CONTACT: CAUSES SKIN IRRITATION.

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION.

INGESTION:
DROPLETS OF THE PRODUCT ASPIRATED INTO THE LUNGS THROUGH INGESTION OR VOMITING MAY CAUSE A SERIOUS CHEMICAL PNEUMONIA.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:
ASPIRATION MAY CAUSE PULMONARY EDEMA AND PNEUMONITIS. MAY CAUSE DROWSINESS AND DIZZINESS. HEADACHE. NAUSEA, VOMITING. SEVERE EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, AND BLURRED VISION. SKIN IRRITATION. MAY CAUSE REDNESS AND PAIN.

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

COMPONENTS	SPECIES	TEST RESULTS
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2-PROPANONE (CAS 67-64-1):

ACUTE:

DERMAL:

LD50	RABBIT	20000 MG/KG
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INHALATION:

LC50	RAT	50.1 MG/L, 8 HOURS
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ORAL:

LD50	RAT	5800 MG/KG
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BENZENE, DIMETHYL (CAS 1330-20-7):

ACUTE:

DERMAL:

LD50 RABBIT >43 G/KG

INHALATION:

LC50 RAT 6350 MG/L, 4 HOURS

ORAL:

LD50 RAT 3523 - 8600 MG/KG

HEPTANE (CAS 142-82-5):

ACUTE:

INHALATION:

LC50 RAT 103 MG/L, 4 HOURS

SKIN CORROSION/IRRITATION: CAUSES SKIN IRRITATION.

SERIOUS EYE DAMAGE/EYE IRRITATION: CAUSES SERIOUS EYE IRRITATION.

RESPIRATORY OR SKIN SENSITIZATION:

RESPIRATORY SENSITIZATION: NOT A RESPIRATORY SENSITIZER.

SKIN SENSITIZATION:

THIS PRODUCT IS NOT EXPECTED TO CAUSE SKIN SENSITIZATION.

GERM CELL MUTAGENICITY:

NO DATA AVAILABLE TO INDICATE PRODUCT OR ANY COMPONENTS PRESENT AT GREATER THAN 0.1% ARE MUTAGENIC OR GENOTOXIC.

CARCINOGENICITY: NOT CLASSIFIABLE AS TO CARCINOGENICITY TO HUMANS.

IARC MONOGRAPHS. OVERALL EVALUATION OF CARCINOGENICITY:

BENZENE, DIMETHYL (CAS 1330-20-7):

3 NOT CLASSIFIABLE AS TO CARCINOGENICITY TO HUMANS.

OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1052):

NOT REGULATED.

US. NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS: NOT LISTED.

REPRODUCTIVE TOXICITY:

COMPONENTS IN THIS PRODUCT HAVE BEEN SHOWN TO CAUSE BIRTH DEFECTS AND REPRODUCTIVE DISORDERS IN LABORATORY ANIMALS.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE:

MAY CAUSE DROWSINESS AND DIZZINESS.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE:

MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

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

CHRONIC EFFECTS:

MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

PROLONGED INHALATION MAY BE HARMFUL.

12. ECOLOGICAL INFORMATION



ECOTOXICITY: TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

COMPONENTS	SPECIES	TEST RESULTS
2-PROPANONE (CAS 67-64-1):		
AQUATIC:		
CRUSTACEA	EC50	WATER FLEA (DAPHNIA MAGNA)
		10294 - 17704 MG/L, 48 HOURS
FISH	LC50	RAINBOW TROUT, DONALDSON TROUT (ONCORHYNCHUS MYKISS)
		4740 - 6330 MG/L, 96 HOURS

BENZENE, DIMETHYL (CAS 1330-20-7):

AQUATIC:

FISH	LC50	BLUEGILL (LEPOMIS MACROCHIRUS)	7.711 - 9.591 MG/L, 96 HOURS
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HEPTANE (CAS 142-82-5):

AQUATIC:

FISH	LC50	MOZAMBIQUE TILAPIA (TILAPIA MOSSAMBICA)	375 MG/L, 96 HOURS
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PERSISTENCE AND DEGRADABILITY:

NO DATA IS AVAILABLE ON THE DEGRADABILITY OF ANY INGREDIENTS IN THE MIXTURE.

BIOACCUMULATIVE POTENTIAL:

PARTITION COEFFICIENT N-OCTANOL / WATER (LOG KOW):

2-PROPANONE: -0.24

BENZENE, DIMETHYL: 3.12 - 3.2

HEPTANE: 4.66

MOBILITY IN SOIL: NO DATA AVAILABLE.

OTHER ADVERSE EFFECTS:

THE PRODUCT CONTAINS VOLATILE ORGANIC COMPOUNDS WHICH HAVE A PHOTOCHEMICAL OZONE CREATION POTENTIAL.

13. DISPOSAL CONSIDERATIONS



DISPOSAL INSTRUCTIONS:

COLLECT AND RECLAIM OR DISPOSE IN SEALED CONTAINERS AT LICENSED WASTE DISPOSAL SITE. CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE OR CRUSH. INCINERATE THE MATERIAL UNDER CONTROLLED CONDITIONS IN AN APPROVED INCINERATOR. DO NOT ALLOW THIS MATERIAL TO DRAIN INTO SEWERS/WATER SUPPLIES. DO NOT CONTAMINATE PONDS, WATERWAYS OR DITCHES WITH CHEMICAL OR USED CONTAINER. IF DISCARDED, THIS PRODUCT IS CONSIDERED A RCRA IGNITABLE WASTE, D001. 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:

D001: WASTE FLAMMABLE MATERIAL WITH A FLASH POINT <140 F

THE WASTE CODE SHOULD BE ASSIGNED IN DISCUSSION BETWEEN THE USER, THE PRODUCER AND THE WASTE DISPOSAL COMPANY.

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:
SINCE EMPTIED CONTAINERS MAY RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR RECYCLING OR DISPOSAL. DO NOT RE-USE EMPTY CONTAINERS.

14. TRANSPORT INFORMATION



DOT:
UN NUMBER: NOT AVAILABLE.
UN PROPER SHIPPING NAME: CONSUMER COMMODITY, MARINE POLLUTANT

TRANSPORT HAZARD CLASS(ES):
CLASS: ORM-D
SUBSIDIARY RISK:

PACKING GROUP: NOT AVAILABLE.

ENVIRONMENTAL HAZARDS:
MARINE POLLUTANT: YES

SPECIAL PRECAUTIONS FOR USER:
READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

PACKAGING EXCEPTIONS: 306

PACKAGING NON BULK: 302, 304

PACKAGING BULK: 302, 314, 315

IATA:
UN NUMBER: UN1950
UN PROPER SHIPPING NAME: AEROSOLS

TRANSPORT HAZARD CLASS(ES):
CLASS: 2
SUBSIDIARY RISK:

PACKING GROUP: NOT AVAILABLE.

ENVIRONMENTAL HAZARDS: YES

ERG CODE: 2L

SPECIAL PRECAUTIONS FOR USER:
READ SAFETY INSTRUCTIONS, SDS AND EMERGENCY PROCEDURES BEFORE HANDLING.

OTHER INFORMATION:
PASSENGER AND CARGO AIRCRAFT: ALLOWED WITH RESTRICTIONS.
CARGO AIRCRAFT ONLY: ALLOWED WITH RESTRICTIONS.

IMDG:
UN NUMBER: UN1950
UN PROPER SHIPPING NAME: AEROSOLS, MARINE POLLUTANT

TRANSPORT HAZARD CLASS(ES):
CLASS: 2

SUBSIDIARY RISK:

PACKING GROUP: NOT AVAILABLE.

ENVIRONMENTAL HAZARDS:

MARINE POLLUTANT: YES

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:
NOT ESTABLISHED.

IATA; IMDG: CLASS 2.1, FLAMMABLE GASES

MARINE POLLUTANT: ENVIRONMENT

GENERAL INFORMATION:

IMDG REGULATED MARINE POLLUTANT. DOT REGULATED MARINE POLLUTANT.

15. REGULATORY INFORMATION



US FEDERAL REGULATIONS:

THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

TSCA SECTION 12(B) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D):
NOT REGULATED.

CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4):

2-PROPANONE (CAS 67-64-1): LISTED.

BENZENE, DIMETHYL (CAS 1330-20-7): LISTED.

HEPTANE (CAS 142-82-5): LISTED.

SARA 304 EMERGENCY RELEASE NOTIFICATION: NOT REGULATED.

OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1052):
NOT REGULATED.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA):

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: NOT LISTED.

SARA 311/312 HAZARDOUS CHEMICAL: YES

CLASSIFIED HAZARD CATEGORIES:

FLAMMABLE (GASES, AEROSOLS, LIQUIDS, OR SOLIDS)

ACUTE TOXICITY (ANY ROUTE OF EXPOSURE)

SKIN CORROSION OR IRRITATION

SERIOUS EYE DAMAGE OR EYE IRRITATION

REPRODUCTIVE TOXICITY

SPECIFIC TARGET ORGAN TOXICITY (SINGLE OR REPEATED EXPOSURE)

ASPIRATION HAZARD

SARA 313 (TRI REPORTING):

CHEMICAL NAME	CAS NUMBER	% BY WT.
BENZENE, DIMETHYL	1330-20-7	20 - <30

OTHER FEDERAL REGULATIONS:

CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS) LIST:

BENZENE, DIMETHYL (CAS 1330-20-7)

CLEAN AIR ACT (CAA) SECTION 112(R) ACCIDENTAL RELEASE PREVENTION
(40 CFR 68.130): NOT REGULATED.

SAFE DRINKING WATER ACT (SDWA): NOT REGULATED.

DRUG ENFORCEMENT ADMINISTRATION (DEA). LIST 2, ESSENTIAL CHEMICALS
(21 CFR 1310.02(B) AND 1310.04(F)(2) AND CHEMICAL CODE NUMBER:
2-PROPANONE (CAS 67-64-1): 6532

DRUG ENFORCEMENT ADMINISTRATION (DEA). LIST 1 & 2 EXEMPT CHEMICAL MIXTURES
(21 CFR 1310.12(C)):
2-PROPANONE (CAS 67-64-1): 35 %WV

DEA EXEMPT CHEMICAL MIXTURES CODE NUMBER:
2-PROPANONE (CAS 67-64-1): 6532

FEMA PRIORITY SUBSTANCES RESPIRATORY HEALTH AND SAFETY IN THE FLAVOR
MANUFACTURING WORKPLACE:
2-PROPANONE (CAS 67-64-1): LOW PRIORITY

US STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 2016
(PROPOSITION 65):
THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CHEMICALS CURRENTLY LISTED
AS CARCINOGENS OR REPRODUCTIVE TOXINS. FOR MORE INFORMATION GO TO
WWW.P65WARNINGS.CA.GOV.

US. CALIFORNIA. CANDIDATE CHEMICALS LIST. SAFER CONSUMER PRODUCTS
REGULATIONS (CAL. CODE REGS, TIT. 22, 69502.3, SUBD. (A)):
2-PROPANONE (CAS 67-64-1)
BENZENE, DIMETHYL (CAS 1330-20-7)

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)	YES
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)	YES
KOREA	EXISTING CHEMICALS LIST (ECL)	YES
NEW ZEALAND	NEW ZEALAND INVENTORY	YES
PHILIPPINES	PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES (PICCS)	YES

TAIWAN	TAIWAN CHEMICAL SUBSTANCE INVENTORY (TCSI)	YES
UNITED STATES & PUERTO RICO	TOXIC SUBSTANCES CONTROL ACT (TSCA) 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

ISSUE DATE: 04-23-2015

REVISION DATE: 08-02-2018

VERSION #: 02

HMIS (R*) RATINGS:

HEALTH 3*
FLAMMABILITY 4
PHYSICAL HAZARD 0

NFPA RATINGS:

HEALTH 2
FLAMMABILITY 4
INSTABILITY 0

NFPA RATINGS:

2
4
0

DISCLAIMER:

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.

REVISION INFORMATION:

THIS DOCUMENT HAS UNDERGONE SIGNIFICANT CHANGES AND SHOULD BE REVIEWED IN ITS ENTIRETY.

MATERIAL NAME: GUNK BRAKE PARTS CLEANER - NON CHLORINATED

SDS US