

MSDS B6526

ITEM: 5KPY3 - Mineral Spirits, 1 gal.

DELIVERY: 6257770944

HU NUMBER: U442335618

MATERIAL SAFETY DATA SHEET (MSDS)

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

MATERIAL SAFETY DATA SHEET - B6526

Associated Grainger Items
5KPY3

803

MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200

DATE OF PREP: 05/20/05

-----SECTION 1-----

SUNNYSIDE CORPORATION
225 CARPENTER AVENUE
WHEELING, ILLINOIS 60090

FOR INFORMATION: (847) 541-5700

EMERGENCY TELEPHONE:
(847) 541-5700 - SUNNYSIDE CORPORATION
(800) 424-9300 - CHEM TREC

PRODUCT CLASS: PETROLEUM HYDROCARBON

MANUFACTURER'S CODE: 803

TRADE NAME: MINERAL SPIRITS

NPCA HMIS:
HEALTH 1
FIRE 2
REACTIVITY 0

PRODUCT APPEARANCE AND ODOR: CLEAR, WATER-WHITE LIQUID; PETROLEUM ODOR.

-----SECTION 2 - HAZARDOUS INGREDIENTS-----

OCCUPATIONAL EXPOSURE LIMITS:

INGREDIENT	CAS#	PERCENT
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MINERAL SPIRITS	64742-68-7	
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INGREDIENT (TWA)	ACGIH TLV (STEL)	ACGIH TLV (TWA)	OSHA PEL (STEL)	OSHA PEL (TWA)	VAPOR PRESSURE
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MINERAL SPIRITS (FOR STODDARD SOLVENT - CAS #: 8052-41-3)	100 PPM	100 PPM	2.0 MMHg @ 20 DEG. C.		
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-----SECTION 3 - EMERGENCY AND FIRST AID PROCEDURES-----

EYE CONTACT:
FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN CONTACT:
REMOVE CONTAMINATED CLOTHING/SHOES. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED.

INHALATION:
REMOVE VICTIM TO FRESH AIR AND IF BREATHING IS DIFFICULT, OXYGEN SHOULD BE PROVIDED BY QUALIFIED PERSONNEL. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

INGESTION:
DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.

-----SECTION 4 - PHYSICAL DATA-----

THE FOLLOWING DATA REPRESENT APPROXIMATE OR TYPICAL VALUES. THEY DO NOT CONSTITUTE PRODUCT SPECIFICATIONS.

BOILING RANGE: 315-395 DEG. (F)

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

% VOLATILE BY VOLUME: APPROX. 100%

WEIGHT PER GALLON: 6.43 LBS.

SOLUBILITY IN WATER: NEGLIGIBLE; LESS THAN 0.1%

-----SECTION 5 - FIRE AND EXPLOSION DATA-----

FLAMMABILITY CLASSIFICATION: COMBUSTIBLE LIQUID - CLASS II.

FLASH POINT:
102 DEG. (F)
TAG: CLOSED CUP

AUTOIGNITION TEMPERATURE: 445 DEG. F

LOWER EXPLOSIVE LIMIT: 0.7%

EXTINGUISHING MEDIA:

CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY. DO NOT USE DIRECT WATER STREAM; IT WILL SPREAD FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
DO NOT STORE OR MIX WITH STRONG OXIDANTS.

SPECIAL FIRE FIGHTING PROCEDURES:
USE AIR-SUPPLIED RESCUE EQUIPMENT FOR ENCLOSED AREAS. COOL EXPOSED CONTAINERS WITH WATER.

-----SECTION 6 - HEALTH HAZARD DATA-----

THRESHOLD LIMIT VALUE: SEE SECTION 2.

EFFECTS OF OVEREXPOSURE:

ACUTE:

EYE CONTACT:
MAY CAUSE IRRITATION, DISCOMFORT, REDNESS AND SWELLING OF THE EYE.

SKIN CONTACT:
LIQUID IS SLIGHTLY IRRITATING TO THE SKIN. PROLONGED OR REPEATED CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

INHALATION:
VAPORS MAY CAUSE IRRITATION TO NOSE, THROAT AND RESPIRATORY TRACT. BREATHING OF HIGH VAPOR CONCENTRATIONS MAY RESULT IN HEADACHES, DIZZINESS AND OTHER SIGNS OF NERVOUS SYSTEM DEPRESSION. THESE EFFECTS HAVE BEEN OBSERVED AFTER MISUSE OR ABUSE OF THIS PRODUCT. WHEN USED IN A REASONABLE AND FORESEEABLE MANNER, NO ADVERSE EFFECTS ARE ANTICIPATED FROM EXPOSURE TO THIS PRODUCT.

INGESTION:
INGESTION MAY RESULT IN VOMITING, ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.

CHRONIC:
REPEATED SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS (SKIN CONDITION).

CARCINOGENICITY:
THIS PRODUCT HAS NOT BEEN IDENTIFIED AS A CARCINOGEN BY NTP, IARC, OR OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
CONDITIONS AGGRAVATED BY EXPOSURE MAY INCLUDE SKIN DISORDERS AND RESPIRATORY (ASTHMA-LIKE) DISORDERS.

-----SECTION 7 - REACTIVITY DATA-----

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT, SPARKS AND FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID):
STRONG OXIDIZING AGENTS LIKE LIQUID CHLORINE OR CONCENTRATED OXYGEN.

HAZARDOUS DECOMPOSITION PRODUCTS:
THERMAL DECOMPOSITION MAY YIELD CARBON DIOXIDE AND CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

-----SECTION 8 - SPILL OR LEAK PROCEDURES-----

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:
REMOVE IGNITION SOURCES. EVACUATE AREA. AVOID BREATHING VAPOR OR CONTACT WITH LIQUID. RECOVER FREE LIQUID OR STOP LEAK IF POSSIBLE. DIKE LARGE SPILLS AND USE ABSORBENT MATERIAL FOR SMALL SPILLS. KEEP SPILLED MATERIAL OUT OF SEWERS, DITCHES AND BODIES OF WATER.

WASTE DISPOSAL METHOD:
INCINERATE UNDER SAFE CONDITIONS; DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

-----SECTION 9 - SAFE HANDLING AND USE INFORMATION-----

RESPIRATORY PROTECTION:
APPROPRIATE VAPOR CANISTER, SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED-AIR HOSE MASK, IF NEEDED.

VENTILATION:
SUFFICIENT IN VOLUME AND PATTERN, TO KEEP WORKROOM CONCENTRATION BELOW CURRENT APPLICABLE OSHA SAFETY AND HEALTH REQUIREMENTS. SEE SECTION 2. USE EXPLOSION-PROOF EQUIPMENT. NO SMOKING.

PROTECTIVE GLOVES: RUBBER OR NEOPRENE.

EYE PROTECTION: CHEMICAL SAFETY GOGGLES.

OTHER PROTECTIVE EQUIPMENT:
IMPERVIOUS CLOTHING OR BOOTS, IF NEEDED. EMERGENCY EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

-----SECTION 10 - SPECIAL PRECAUTIONS-----

DEPT. OF LABOR STORAGE CATEGORY: COMBUSTIBLE LIQUID - CLASS II

HYGIENIC PRACTICES:
KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINERS CLOSED WHEN NOT IN USE. AVOID EYE CONTACT AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH SKIN WITH SOAP AND WATER AFTER CONTACT.

ADDITIONAL PRECAUTIONS:
GROUND CONTAINERS WHEN TRANSFERRING LIQUID TO PREVENT STATIC ACCUMULATION AND DISCHARGE. ADDITIONAL INFORMATION REGARDING SAFE HANDLING OF PRODUCTS

WITH STATIC ACCUMULATION POTENTIAL CAN BE ORDERED BY CONTACTING THE AMERICAN PETROLEUM INSTITUTE (API) FOR API RECOMMENDED PRACTICE 2003, ENTITLED "PROTECTION AGAINST IGNITIONS ARISING OUT OF STATIC, LIGHTING, AND STRAY CURRENTS" (AMERICAN PETROLEUM INSTITUTE, 1720 L STREET NORTHWEST, WASHINGTON, DC 20005), OR THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) FOR NFPA 77 ENTITLED "STATIC ELECTRICITY" (NATIONAL FIRE PROTECTION ASSOCIATION, 1 BATTERY MARCH PARK, P.O. BOX 9101, QUINCY, MA 02269-9101).

EMPTY CONTAINER WARNING:

"EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. DO NOT ATTEMPT TO CLEAN SINCE RESIDUE IS DIFFICULT TO REMOVE. "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO SUPPLIER OR DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS.

-----SECTION 11 - ADDITIONAL INFORMATION -----

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL(S) WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

TOXIC CHEMICAL	CAS#	APPROXIMATE % BY WEIGHT
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NONE	NONE	NONE
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SARA TITLE III HAZARD CATEGORIES:

FIRE HAZARD, IMMEDIATE (ACUTE) AND DELAYED (CHRONIC) HEALTH HAZARD

COMMON NAMES:

SOLVENT NAPHTHA (PETROLEUM), ALIPHATIC HYDROCARBON, PETROLEUM DISTILLATE

CALIFORNIA PROPOSITION 65:

THIS PRODUCT MAY CONTAIN TRACE AMOUNTS OF BENZENE, ETHYL BENZENE AND TOLUENE WHICH ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM, AND MAY BE SUBJECT TO THE REQUIREMENTS OF CALIFORNIA PROPOSITION 65.

TRANSPORTATION:

U.S. D.O.T. PROPER SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S.

U.S. D.O.T. HAZARD CLASS & PACKING GROUP: COMBUSTIBLE LIQUID, III

U.S. D.O.T. IDENTIFICATION NUMBER: UN 1268

REFER TO 49 CFR FOR POSSIBLE EXCEPTIONS AND EXEMPTIONS.

MSDS C0999

ITEM: 3JR74 - Paint Thinner, 1 gal., VOC Compliant

DELIVERY: 6257770944

HU NUMBER: U442335618

MATERIAL SAFETY DATA SHEET (MSDS)

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

MATERIAL SAFETY DATA SHEET - C0999

Associated Grainger Items
3JR74

MATERIAL SAFETY DATA SHEET

24 HOUR ASSISTANCE: 1-847-367-7700

RUST-OLEUM CORP.

WWW.RUSTOLEUM.COM

-----SECTION 1 - CHEMICAL PRODUCT / COMPANY INFORMATION-----

PRODUCT NAME: SPCUSE 1-GL 2PK THINNER VOC COMPLIANT

IDENTIFICATION NUMBER: 333402

PRODUCT USE/CLASS: PAINT REMOVER/THINNER

SUPPLIER:
RUST-OLEUM CORPORATION
11 HAWTHORN PARKWAY
VERNON HILLS, IL 60061
USA

MANUFACTURER:
RUST-OLEUM CORPORATION
11 HAWTHORN PARKWAY
VERNON HILLS, IL 60061
USA

PREPARER: REGULATORY DEPARTMENT

REVISION DATE: 05/02/2011

-----SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS-----

CHEMICAL NAME	CAS NUMBER	WEIGHT %	ACGIH TLV	ACGIH TLV-STEEL	OSHA PEL-TWA	OSHA PEL-CEILING
ACETONE	67-64-1	100.0	500 PPM	750 PPM	1000 PPM	N.E.

-----SECTION 3 - HAZARDS IDENTIFICATION-----

EMERGENCY OVERVIEW:
HIGH VAPOR CONCENTRATIONS CAN IRRITATE EYES, NOSE AND RESPIRATORY PASSAGES. CAUSES NOSE AND THROAT IRRITATION. HARMFUL IF INHALED. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION. FLAMMABLE LIQUID AND VAPOR.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: CAUSES EYE IRRITATION.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT:
PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION.

EFFECTS OF OVEREXPOSURE - INHALATION:
HIGH VAPOR CONCENTRATIONS ARE IRRITATING TO THE EYES, NOSE, THROAT AND LUNGS. MAY CAUSE HEADACHES AND DIZZINESS. AVOID BREATHING VAPORS OR MISTS. HARMFUL IF INHALED.

EFFECTS OF OVEREXPOSURE - INGESTION:
ASPIRATION HAZARD IF SWALLOWED; CAN ENTER LUNGS AND CAUSE DAMAGE. HARMFUL IF SWALLOWED.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE 3JR74

PRIMARY ROUTE(S) OF ENTRY:
SKIN CONTACT, SKIN ABSORPTION, INHALATION, INGESTION, EYE CONTACT

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

FIRST AID - EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. DO NOT ALLOW RUBBING OF EYES OR KEEPING EYES CLOSED.

FIRST AID - SKIN CONTACT:
WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

FIRST AID - INHALATION:
REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT USE MOUTH-TO-MOUTH RESUSCITATION.

FIRST AID - INGESTION:

ASPIRATION HAZARD:
DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH BECAUSE THIS MATERIAL CAN ENTER THE LUNGS AND CAUSE SEVERE LUNG DAMAGE. GET IMMEDIATE MEDICAL ATTENTION.

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

FLASH POINT: -4 F (SETAFLASH)

EXTINGUISHING MEDIA:
FILM FORMING FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. VAPORS MAY FORM EXPLOSIVE MIXTURES WITH AIR. VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK.

SPECIAL FIREFIGHTING PROCEDURES:
EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP AND POSSIBLE AUTOIGNITION OR EXPLOSION.

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

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
ELIMINATE ALL IGNITION SOURCES; USE EXPLOSION-PROOF EQUIPMENT. PLACE MATERIAL IN A CONTAINER AND DISPOSE OF ACCORDING TO LOCAL, PROVINCIAL, STATE AND FEDERAL REGULATIONS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST.

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

HANDLING:
FOLLOW ALL MSDS/LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED BECAUSE IT MAY RETAIN PRODUCT RESIDUES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. WASH HANDS BEFORE EATING.

STORAGE:
KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. KEEP AWAY FROM HEAT, SPARKS, FLAME AND SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT IN USE.

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

ENGINEERING CONTROLS:
PREVENT BUILD-UP OF VAPORS BY OPENING ALL DOORS AND WINDOWS TO ACHIEVE CROSS-VENTILATION. USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

RESPIRATORY PROTECTION:
A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE. A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE PERMISSIBLE UNDER CERTAIN CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE LIMITS.

PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS IS LIMITED. USE A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IF THERE IS ANY POTENTIAL FOR AN UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE NOT KNOWN, OR IN ANY OTHER CIRCUMSTANCES WHERE AIR PURIFYING RESPIRATORS MAY NOT PROVIDE ADEQUATE PROTECTION.

SKIN PROTECTION:
NITRILE OR NEOPRENE GLOVES MAY AFFORD ADEQUATE SKIN PROTECTION. USE IMPERVIOUS GLOVES TO PREVENT SKIN CONTACT AND ABSORPTION OF THIS MATERIAL THROUGH THE SKIN.

EYE PROTECTION:
USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

OTHER PROTECTIVE EQUIPMENT:
REFER TO SAFETY SUPERVISOR OR INDUSTRIAL HYGIENIST FOR FURTHER INFORMATION REGARDING PERSONAL PROTECTIVE EQUIPMENT AND ITS APPLICATION.

HYGIENIC PRACTICES:
WASH THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING OR SMOKING.

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

VAPOR DENSITY: HEAVIER THAN AIR

ODOR: SOLVENT LIKE

APPEARANCE: LIQUID

EVAPORATION RATE: SLOWER THAN ETHER

SOLUBILITY IN H2O: SLIGHT

FREEZE POINT: N.D.

SPECIFIC GRAVITY: 0.789

pH: N.A.

PHYSICAL STATE: LIQUID

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

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

CONDITIONS TO AVOID: AVOID ALL POSSIBLE SOURCES OF IGNITION.

INCOMPATIBILITY:
INCOMPATIBLE WITH STRONG OXIDIZING AGENTS, STRONG ACIDS AND STRONG ALKALIES.

HAZARDOUS DECOMPOSITION:
BY OPEN FLAME, CARBON MONOXIDE AND CARBON DIOXIDE. WHEN HEATED TO DECOMPOSITION, IT EMITS ACRID SMOKE AND IRRITATING FUMES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

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

CHEMICAL NAME LD50 LC50
ACETONE 5800 MG/KG (RAT) 50100 MG/M3 (RAT, 8HR)

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

ECOLOGICAL INFORMATION: PRODUCT IS A MIXTURE OF LISTED COMPONENTS.

-----SECTION 13 - DISPOSAL INFORMATION -----

DISPOSAL INFORMATION:
DISPOSE OF MATERIAL IN ACCORDANCE TO LOCAL, STATE AND FEDERAL REGULATIONS
AND ORDINANCES. DO NOT ALLOW TO ENTER STORM DRAINS OR SEWER SYSTEMS.

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

DOMESTIC (USDOT) INTERNATIONAL (IMDG) AIR (IATA)

PROPER SHIPPING NAME	ACETONE	ACETONE	ACETONE
HAZARD CLASS	3	3	3
UN NUMBER	UN1090	UN1090	UN1090
PACKING GROUP	II	II	II
LIMITED QUANTITY	NO	NO	NO

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

CERCLA - SARA HAZARD CATEGORY:

THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA "HAZARD CATEGORIES"
PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND
REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER
APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES:
IMMEDIATE HEALTH HAZARD
CHRONIC HEALTH HAZARD
FIRE HAZARD

SARA SECTION 313:

LISTED BELOW ARE THE SUBSTANCES (IF ANY) CONTAINED IN THIS PRODUCT THAT
ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III
OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART
372:

TOXIC SUBSTANCES CONTROL ACT:

LISTED BELOW ARE THE SUBSTANCES (IF ANY) CONTAINED IN THIS PRODUCT THAT
ARE SUBJECT TO THE REPORTING REQUIREMENTS OF TSCA 12(B) IF EXPORTED FROM
THE UNITED STATES:

U.S. STATE REGULATIONS: AS FOLLOWS

NEW JERSEY RIGHT-TO-KNOW:
THE FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP FIVE
COMPONENTS IN THIS PRODUCT.

NONE

PENNSYLVANIA RIGHT-TO-KNOW:
THE FOLLOWING NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE PRODUCT AT
GREATER THAN 3%.

NONE

INTERNATIONAL REGULATIONS: AS FOLLOWS

CANADIAN WHMIS:
THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT
REGULATIONS EXCEPT FOR THE USE OF THE 16 HEADINGS.

CANADIAN WHMIS CLASS:
B2
D2B

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

HMIS RATINGS:
HEALTH 2
FLAMMABILITY 4
REACTIVITY 0
PERSONAL PROTECTION X

NFPA RATINGS:
HEALTH 2
FLAMMABILITY 4
INSTABILITY 0

VOLATILE ORGANIC COMPOUNDS, G/L: 0

REASON FOR REVISION:

LEGEND:
N.A. - NOT APPLICABLE
N.E. - NOT ESTABLISHED
N.D. - NOT DETERMINED

RUST-OLEUM CORPORATION BELIEVES, TO THE BEST OF ITS KNOWLEDGE, INFORMATION
AND BELIEF, THE INFORMATION CONTAINED HEREIN TO BE ACCURATE AND RELIABLE
AS OF THE DATE OF THIS MATERIAL SAFETY DATA SHEET. HOWEVER, BECAUSE THE
CONDITIONS OF HANDLING, USE, AND STORAGE OF THESE MATERIALS ARE BEYOND OUR
CONTROL, WE ASSUME NO RESPONSIBILITY OR LIABILITY FOR PERSONAL INJURY OR
PROPERTY DAMAGE INCURRED BY THE USE OF THESE MATERIALS. RUST-OLEUM
CORPORATION MAKES NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE
ACCURACY OR RELIABILITY OF THE DATA OR RESULTS OBTAINED FROM THEIR USE.
ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION.
THE INFORMATION AND RECOMMENDATIONS IN THIS MATERIAL SAFETY DATA SHEET ARE
OFFERED FOR THE USERS' CONSIDERATION AND EXAMINATION. IT IS THE
RESPONSIBILITY OF THE USER TO DETERMINE THE FINAL SUITABILITY OF THIS
INFORMATION AND TO COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL,

STATE, AND LOCAL LAWS AND REGULATIONS.

MSDS C3898

ITEM: 1MPZ5 - Brake Cleaner Degreaser, 0.76 SG

DELIVERY: 6257770944

HU NUMBER: U442335618

MATERIAL SAFETY DATA SHEET (MSDS)

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

MATERIAL SAFETY DATA SHEET - C3898

Associated Grainger Items
1MPZ5

TUESDAY, SEPTEMBER 30, 2008

MSDS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME:
NON-CHLORINATED BRAKE CLEANER (UPC: 078698130774) (AAP SKU: 7040036)

MSDS NO.: M715

-----I. BASIC INFORMATION -----

MANUFACTURER: RADIATOR SPECIALTY COMPANY
ADDRESS: 600 RADIATOR ROAD
CITY, ST ZIP: INDIAN TRAIL, NC 28079
COUNTRY:

CONTACT: ROBERT GEER

INFORMATION TELEPHONE NUMBER: 704-684-1811

EMERGENCY CONTACT: ROCKY MOUNTAIN POISON CONTROL CENTER

EMERGENCY TELEPHONE NUMBER: 303-623-5716

EMERGENCY RESTRICTIONS:

PRODUCT NAME:
NON-CHLORINATED BRAKE CLEANER (UPC: 078698130774) (AAP SKU: 7040036)

MSDS NO.: M715

ISSUE DATE: 09/30/2008

SUPERSEDES DATE: 01/12/2006

-----II. HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

DANGER:
EXTREMELY FLAMMABLE. LIQUID AND VAPOR MAY CAUSE A FLASH FIRE. POISON,
HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL. EYE AND SKIN IRRITANT.
CONTENTS UNDER PRESSURE.

LEVEL 3 AEROSOL

OSHA REGULATORY STATUS:
THIS MATERIAL IS CONSIDERED HAZARDOUS BY THE OSHA HAZARD COMMUNICATION
STANDARD (29 CFR 1910.1200).

POTENTIAL HEALTH EFFECTS:

ROUTE(S) OF ENTRY: INHALATION, EYE/SKIN CONTACT

HEALTH HAZARDS (ACUTE AND CHRONIC): SEE SIGNS & SYMPTOMS BELOW

SIGNS AND SYMPTOMS:

EYE CONTACT: IRRITANT. PROLONGED CONTACT MAY CAUSE CONJUNCTIVITIS.

SKIN CONTACT: IRRITANT. DEFATTING OF TISSUE, DERMATITIS MAY OCCUR.

INHALATION:
IRRITANT TO MUCOUS MEMBRANES. REPEATED EXPOSURE MAY CAUSE NARCOSIS.INGESTION:
HARMFUL OR FATAL IF SWALLOWED. MAY CAUSE BURNS TO MOUTH, THROAT & STOMACH.MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
PRE-EXISTING CONDITIONS, SEE OTHER HEALTH WARNINGS.OTHER HEALTH WARNINGS:
VOMITING AND SUBSEQUENT ASPIRATION INTO THE LUNGS MAY LEAD TO CHEMICAL
PNEUMONIA AND PULMONARY EDEMA WHICH IS A POTENTIALLY FATAL CONDITION.INHALATION OF HIGH CONCENTRATIONS, AS COULD OCCUR IN ENCLOSED SPACES OR
DURING DELIBERATE ABUSE, MAY BE ASSOCIATED WITH CARDIAC ARRHYTHMIAS.
1MPZ5PRE-EXISTING DISORDERS OF THE FOLLOWING ORGANS (OR ORGAN SYSTEMS) MAY BE
AGGRAVATED BY EXPOSURE TO THIS MATERIAL:
SKIN, LUNG, KIDNEY, AUDITORY SYSTEM. INDIVIDUALS WITH PRE-EXISTING HEART
DISORDERS MAY BE MORE SUSCEPTIBLE TO ARRHYTHMIAS IF EXPOSED.

POTENTIAL ENVIRONMENTAL EFFECTS: NOT AVAILABLE

-----III. COMPOSITION/INFORMATION ON INGREDIENTS -----

CHEMICAL NAME	CAS NO.	% RANGE	TRADE SECRET
2-PROPANONE	67-64-1	40.0 - 70.0	
HEPTANE	142-82-5	10.0 - 30.0	
METHANOL	67-56-1	10.0 - 30.0	
PROPANE	74-98-6	7.0 - 13.0	

-----IV. FIRST AID MEASURES -----

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT:
FLUSH EYES WITH CLEAN WATER FOR 15 MINUTES WHILE LIFTING EYELIDS.
GET PROMPT MEDICAL ATTENTION.SKIN CONTACT:
WASH WITH SOAP AND WATER THOROUGHLY. IF ADVERSE EFFECTS PERSIST,
GET PROMPT MEDICAL ATTENTION. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.INHALATION:
REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT GIVE OXYGEN AND GET
PROMPT MEDICAL ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING!

CALL POISON CONTROL CENTER, PHYSICIAN, OR HOSPITAL EMERGENCY ROOM
IMMEDIATELY.

NOTE TO PHYSICIANS: N/D

-----V. FIRE FIGHTING MEASURES -----

SUITABLE EXTINGUISHING MEDIA: WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL

UNSUITABLE EXTINGUISHING MEDIA:
DO NOT USE FORCED WATER STREAM AS THIS COULD CAUSE THE FIRE TO SPREAD.
USE SHIELD TO PROTECT FROM VENTING, RUPTURING, AND VENTING CONTAINERS.

PRODUCTS OF COMBUSTION: CARBON DIOXIDE, CARBON MONOXIDE, AND HYDROCARBONS.

PROTECTION OF FIREFIGHTERS:
WEAR SELF-CONTAINED POSITIVE PRESSURE BREATHING APPARATUS AND PROTECTIVE
CLOTHES. USE SHIELD TO PROTECT FROM RUPTURING AND VENTING CONTAINERS. AT
ELEVATED TEMPERATURES CONTAINERS MAY VENT, RUPTURE OR BURST, EVEN VIOLENTLY

-----VI. ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS:
PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF
SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED.ENVIRONMENTAL PRECAUTIONS:
PREVENT RUN-OFF TO SEWERS, STREAMS, OR OTHER BODIES OF WATER. IF RUN-OFF
OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED THAT A SPILL HAS OCCURRED.
RUN OFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.METHODS FOR CONTAINMENT:
DIKE OR CONTAIN SPILL AND ABSORB WITH INERT MATERIALS (SAND, SAWDUST,
ABSORBENT SWEEPING COMPOUNDS, RAGS, ETC.).METHODS FOR CLEANUP:
USING A NON-METALLIC SCOOP, PLACE CONTAMINATED MATERIAL INTO AN APPROVED
CHEMICAL WASTE CONTAINER. WHERE POSSIBLE, VACUUM SPILLED LIQUID USING AN
EXPLOSION PROOF VACUUM TO RECOVER MATERIAL.OTHER INFORMATION:
PREVENT RUN-OFF TO SEWERS, STREAMS, OR OTHER BODIES OF WATER. IF RUN-OFF
OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED THAT A SPILL HAS OCCURRED.

-----VII. HANDLING AND STORAGE -----

HANDLING PRECAUTIONS:
USE WITH ADEQUATE VENTILATION AND PROPER PROTECTIVE EQUIPMENT.DO NOT USE OR STORE NEAR FIRE, SPARKS, OR OPEN FLAME. DO NOT PUNCTURE OR
INCINERATE CONTAINER. EXPOSURE TO TEMPERATURES ABOVE 120 DEG. MAY CAUSE
CONTAINER TO VENT, RUPTURE, OR BURST. CONCENTRATE IS A POISON AND CAN NOT
BE MADE NON-POISON.STORAGE PRECAUTIONS:
AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED BREATHING OF VAPORS.
IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH APPROVED
RESPIRATOR TO PREVENT OVER-EXPOSURE.

-----VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

CHEMICAL NAME	OSHA PEL	ACGIH TLV	OTHER LIMITS
2-PROPANONE	1000 PPM	750 PPM	NOT AVAILABLE
PROPANE	N/E	1000 PPM	NOT AVAILABLE
HEPTANE	500 PPM	400 PPM	NOT AVAILABLE
METHANOL	200 PPM	200 PPM	NOT AVAILABLE

ENGINEERING CONTROLS:
SEE SECTION ABOVE FOR APPLICABLE EXPOSURE LIMITS. MAINTAIN ADEQUATE
VENTILATION.AVOID BREATHING VAPORS. IN RESTRICTED AREAS, USE APPROVED CHEMICAL/
MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICLES AND VAPOR.
IN CONFINED AREAS, USE APPROVED AIR LINE TYPE RESPIRATOR OR HOOD.
A SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR VAPOR CONCENTRATIONS
ABOVE TLV LIMITS.PERSONAL PROTECTIVE EQUIPMENT:
FOR PROLONGED EXPOSURE WEAR PROTECTIVE SAFETY GLASSES, GLOVES, AND APRON.

-----IX. PHYSICAL AND CHEMICAL PROPERTIES -----

BOILING POINT: <100 DEG. F

MELTING POINT: N/A
BOILING RANGE: NOT AVAILABLE
FREEZING POINT: NOT AVAILABLE
SOLUBILITY IN WATER: VERY SLIGHT
EVAPORATION RATE (BUTYL ACETATE = 1): >1
FLASH POINT: - 10 DEG.F
FLASH POINT METHOD:TCC
ODOR THRESHOLD: NOT AVAILABLE
APPEARANCE AND ODOR: CLEAR LIQUID SPRAY WITH HYDROCARBON ODOR
VAPOR DENSITY (AIR = 1): N.D.
VAPOR PRESSURE (MM Hg): N/D
PH RANGE: NOT AVAILABLE
PARTITION COEFFICIENT: NOT AVAILABLE
DECOMPOSITION TEMP: NOT AVAILABLE
AUTO-IGNITION TEMP: NOT AVAILABLE
LOWER EXPLOSIVE LIMIT: 2.2
UPPER EXPLOSIVE LIMIT: 9.5
SPECIFIC GRAVITY (H2O = 1): 0.76
OTHER INFORMATION: N/D

-----X. STABILITY AND REACTIVITY -----

STABILITY: PRODUCT IS STABLE.
CONDITIONS TO AVOID: SEE INCOMPATIBLE MATERIALS BELOW.
INCOMPATIBLE MATERIALS: AVOID CONTACT WITH STRONG OXIDIZERS.
HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON DIOXIDE, CARBON MONOXIDE, AND HYDROCARBONS.
POSSIBILITY OF HAZARDOUS REACTIONS: WILL NOT OCCUR

-----XI. TOXICOLOGICAL INFORMATION -----

N/D

-----XII. ECOLOGICAL INFORMATION -----

N/D

-----XIII. DISPOSAL CONSIDERATIONS -----

DISPOSAL:
THIS CONTAINER MAY BE RECYCLED IN AEROSOL RECYCLING CENTERS WHEN EMPTY.
BEFORE OFFERING FOR RECYCLING, EMPTY THE CAN BY USING THE PRODUCT ACCORDING TO THE LABEL.

DO NOT PUNCTURE!
IF RECYCLING IS NOT AVAILABLE, WRAP THE CONTAINER AND DISCARD IN THE TRASH.
DISPOSE OF UNUSED PRODUCT IN ACCORDANCE WITH ALL LOCAL, STATE GOVERNMENT AND FEDERAL LAWS AND REGULATIONS.

-----XIV. TRANSPORT INFORMATION -----

SHIPPING NAME: NOT AVAILABLE
DOT HAZARD CLASS: NOT AVAILABLE
DOT SUBSIDIARY HAZARD CLASS: NOT AVAILABLE
UN/NA#: NOT AVAILABLE
PACKING GROUP: NOT AVAILABLE

TRANSPORTATION INFORMATION:
DOT HAZARD CLASS: 0RM/D
SHIPPING NAME: CONSUMER COMMODITY

THE DOT DESCRIPTION IS PROVIDED TO ASSIST IN THE PROPER SHIPPING CLASSIFICATION OF THIS PRODUCT AND MAY NOT BE SUITABLE FOR INTERNATIONAL AND AIR SHIPPING PURPOSES.

ICAO/IATA (US):
SHIPPING NAME: AEROSOLS
CLASS: 2.1
UN NUMBER: UN1950

INTERNATIONAL:

ICAO/IATA:
UN NUMBER: UN1950
SHIPPING NAME: AEROSOLS
CLASS: 2.1

IMDG:
UN NUMBER: UN1950
SHIPPING NAME: AEROSOLS
CLASS: 2.1
EMS: F-D, S-U

-----XV. REGULATORY INFORMATION -----

SARA 313 REPORTABLE CHEMICALS.:
METHANOL: 67-56-1

USA TSCA:
ALL COMPONENTS OF THIS MATERIAL ARE LISTED ON THE US TSCA INVENTORY.

THIS FUEL ADDITIVE IS REGISTERED IN THE UNITED STATES

WARNING:
THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

STATE RTN CHEMICALS:
ACETONE: 67-64-1
METHANOL: 67-56-1
HEPTANE: 142-82-5

-----XVI. OTHER INFORMATION -----

CHEMICAL STATE:
(X) LIQUID
() GAS
() SOLID

CHEMICAL TYPE:
() PURE
(X) MIXTURE

HAZARD CATEGORY:
(X) ACUTE
() CHRONIC
(X) FIRE
(X) PRESSURE
() REACTIVE

NEPA:
HEALTH 2
FIRE 4
REACTIVITY 0
SPECIAL

HEALTH 2
FLAMMABILITY 4
PHYSICAL HAZARD 0
PERS. PROTECTION H

ADDITIONAL MANUFACTURER WARNINGS:
DO NOT USE IN CONFINED AREA WITHOUT PROPER VENTILATION. CONTACT LENSES MAY CAUSE FURTHER DAMAGE IN CASE OF SPLASH INTO EYE.

KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: NOT ESTABLISHED
N/D: NOT DETERMINED
N/A: NOT APPLICABLE
N/AV: NOT AVAILABLE

ADDITIONAL PRODUCT INFORMATION:
WHILE RADIATOR SPECIALTY COMPANY BELIEVES THIS DATA IS ACCURATE AS OF THE REVISION DATE, WE MAKE NO WARRANTY WITH RESPECT TO THE DATA AND WE EXPRESSLY DISCLAIM ALL LIABILITY FOR RELIANCE THEREON. THE DATA IS OFFERED SOLELY FOR INFORMATION, INVESTIGATION, AND VERIFICATION. VARIOUS GOVERNMENT AGENCIES MAY HAVE SPECIFIC REGULATIONS REGARDING THE TRANSPORTATION, HANDLING, STORAGE, USE, OR DISPOSAL OF THIS PRODUCT WHICH MAY NOT BE COVERED BY THIS MSDS. THE USER IS RESPONSIBLE FOR FULL COMPLIANCE.