

MSDS DATA SHEET

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CHEMISTRI 10/09/03

DISPLAY MATERIAL SAFETY DATA SHEET 10:17:18

SCREEN QA06__ KEY 0000940574,0000000018_____

FID#: 00336189 VER-DT: 05/24/96

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: EATON ROADRANGER 2833 SAE 50 SYNTHETIC TRANSMISSION LUBE

SAFE USE CATEGORY AND DESCRIPTION: 38 -OILS AND LUBRICANTS

LAST UPDATED DATE: 1996-05-24

MANUFACTURER'S ID (MID): 000533168
MANUFACTURER'S NAME: HENKEL CORP, EMERY GROUP
MANUFACTURER'S MAILING ADDRESS:
4900 ESTE AVENUE
CINCINNATI OH 45232
US

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000091598	T 0.0000/ 0.0000%	W	2-NAPHTHYLAMINE
989902688	=100.0000/ 0.0000%	W	LUBRICANTS

THRESHOLD LIMIT VALUE: TLV: TWA: 5 MG/M3; STEL: 10 MG/M3 (OIL MIST)

PERMISSIBLE EXPOSURE LIMIT: PEL: TWA: 5 MG/M3 (OIL MIST)

CERCLA (SUPERFUND) REPORTABLE QUANTITY (LBS): CAS #91598 RQ: 10 LB

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER-FOR AT LEAST 15 MINUTES. DO NOT LET VICTIM RUB EYES.

EMERGENCY FIRST AID PROCEDURES - INHALATION: IMMEDIATELY REMOVE-VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH TO MOUTH. GET MEDICAL ATTENTION IMMEDIATELY.

EMERGENCY FIRST AID PROCEDURES - INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS AND ABLE TO SWALLOW, PROMPTLY HAVE VICTIM DRINK WATER TO DILUTE. DO NOT GIVE SODIUM BICARBONATE, FRUIT JUICES OR VINEGAR. NEVER GIVE ANYTHING BY MOUTH IF THE VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: ND 0.00
FLAMMABLE UEL: ND 0.00

EXTINGUISHING MEDIA: USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON

DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES: (INDIVIDUALS SHOULD PERFORM ONLY THOSE FIRE FIGHTING PROCEDURES FOR WHICH THEY HAVE BEEN TRAINED). WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF A SPILL OR LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN THE POSITIVE-PRESSURE MODE WITH A FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES OR HAZARDOUS DECOMPOSITION PRODUCTS.

HMIS REACTIVITY CODE =	0
HMIS HEALTH CODE =	1
HMIS FLAMMABILITY CODE =	1
NFPA CODES:	
NFPA FLAMMABILITY CODE =	1
NFPA HEALTH CODE =	1
NFPA REACTIVITY CODE =	0

FLASH POINT TEMPS: = 235.00C/ 455.00F

SECTION 5 - OTHER INFORMATION: NFPA RATING: NO NFPA RATING

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: WEAR APPROPRIATE RESPIRATORY PROTECTION AND MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIA. IN THE EVENT OF AN UNCONTROLLED RELEASE OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE IS REPORTABLE UNDER APPLICABLE LAWS AND REGULATIONS.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: NO SPECIAL PRECAUTIONS NECESSARY

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: WEAR SAFETY GLASSES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1.

RESPIRATORY PROTECTION: WHERE EXPOSURE IS LIKELY TO EXCEED ACCEPTABLE CRITERIA (SEE SECTIONS II AND IV), USE NIOSH/OSHA APPROVED RESPIRATORY EQUIPMENT. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN AIR AND IN ACCORDANCE WITH OSHA (29 CFR 1910.134).

VENTILATION: HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION.

PERSONAL PROTECTIVE EQUIPMENT: WEAR GLOVES AND PROTECTIVE CLOTHING WHICH ARE IMPERVIOUS TO THE PRODUCT FOR THE DURATION OF ANTICIPATED EXPOSURE IF THERE IS POTENTIAL FOR PROLONGED OR REPEATED SKIN CONTACT.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEXT: NOT DETERMINED.

MELTING/FREEZE POINT TEMPS: = - 40.00F

POUR POINT TEXT: ASTM D-97

SPECIFIC GRAVITY VALUES: = 0.9200
SPECIFIC GRAVITY TEXT: AT 60/60 DEG F

VAPOR PRESSURE TEXT: NOT DETERMINED

SOLUBILITY IN WATER TEXT: NEGLIGIBLE

APPEARANCE: DARK LIQUID

ODOR: MILD

PHYSICAL STATE: LIQ

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: AVOID HEATING TO DECOMPOSITION. THE USER IS ADVISED TO HAVE A SAFETY EXPERT EVALUATE THE SPECIFIC CONDITIONS OF USE.

STABILITY - TEXT: GENERALLY STABLE

HAZARDOUS DECOMPOSITION PRODUCTS: DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE

HAZARDOUS POLYMERIZATION INDICATOR: N
HAZARDOUS POLYMERIZATION TEXT: NOT LIKELY

EYE EFFECTS: PRODUCTS WITH SIMILAR ADDITIVE PACKAGES WERE NOT CLASSIFIED AS IRRITANTS BY OCULAR APPLICATION. FOR A SIMILAR COMPONENT OF THIS FORMULATION THE EYES OF 5 RABBITS WERE FOUND TO SHOW EVIDENCE OF CONJUNCTIVAL CHANGES. IRRITATION SCORES IN INDIVIDUAL RABBITS RANGED FROM 0-4 (SCALE 0-110). THE MATERIAL IS NOT CLASSIFIED AS AN IRRITANT BY OCULAR APPLICATION AS DEFINED BY 16 CFR 1500.

SKIN EFFECTS: PRODUCTS WITH SIMILAR ADDITIVE PACKAGES WERE NOT CLASSIFIED AS PRIMARY IRRITANTS OR AS CORROSIVE MATERIALS BY DERMAL APPLICATION. FOR A SIMILAR COMPONENT OF THIS FORMULATION THE PRIMARY IRRITATION INDEX WAS FOUND TO BE 0.5 (SCALE 0-8) BASED ON ERYTHEMA AND EDEMA. NO EVIDENCE OF TISSUE DAMAGE WAS FOUND. THE MATERIAL IS NOT CLASSIFIED AS A PRIMARY IRRITANT OR AS A CORROSIVE BY DERMAL APPLICATION AS DEFINED BY 16 CFR 1500.

ACUTE ORAL LD50 VALUE-WAS FOUND TO BE GREATER THAN 5.0 G/KG IN MALE AND FEMALE SPRAGUE-DAWLEY RATS. THE MATERIAL IS NOT CLASSIFIED AS TOXIC BY ORAL ADMINISTRATION AS DEFINED IN 16 CFR 1500.

ACUTE INHALATION EFFECTS: THE ESTIMATED LC50 FOR A 1 HOUR EXPOSURE-TO A SIMILAR COMPONENT OF-THIS FORMULATION WAS 4.68 MG/L (RATS), WHICH IS CONSIDERED TOXIC ' IN ORDER TO DETERMINE THE LC50 VALUE EXTREMELY HEAVY MISTS OF TEST MATERIAL WERE REQUIRED. THE VERY HEAVY MISTS AT THE NECESSARY CONCENTRATION MADE VISIBILITY DIFFICULT AND WOULD BE DIFFICULT TO WORK IN FOR ANY PERIOD OF TIME. THE AUTHOR REPORTED THAT HISTOPATHOLOGICAL CHANGES MAY HAVE BEEN A RESPONSE TO A PHYSICAL. INSULT RATHER THAN A SPECIFIC COMPOUND RELATED TOXICITY EFFECT AND THAT THE TEST MATERIAL MAY BE CONSIDERED NON-HAZARDOUS FOR ALL PRACTICAL PURPOSES BY INHALATION.

ECOLOGICAL INFORMATION: AVOID UNCONTROLLED RELEASES OF THIS MATERIAL.
WHERE SPILLS ARE POSSIBLE, A COMPREHENSIVE SPILL RESPONSE PLAN SHOULD
BE DEVELOPED AND IMPLEMENTED.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: ALL RECOVERED MATERIAL SHOULD BE PACKAGED,
LABELED, TRANSPORTED, AND DISPOSED OR RECLAIMED IN CONFORMANCE WITH
APPLICABLE LAWS AND REGULATIONS AND IN CONFORMANCE WITH GOOD
ENGINEERING PRACTICES. AVOID LAND FILLING OF LIQUIDS. RECLAIM WHERE
POSSIBLE.

SECTION 14: TRANSPORT INFORMATION
DOT INFORMATION: NOT REGULATED

TDG CLASSIFICATION: NON-REGULATED
TDG SHIPPING NAME: N
TDG UN NUMBER: NR
TDG HAZARD CLASS: NR
TDG PACKING GROUP: NR

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION: WHMIS CLASS: N SARA HAZARD: NONE NOTED
(SECTION 311/312): TITLE III SECTION 313 - CONTAINS APPROX. 3.2 %
BARIUM COMPOUND. // CAS #989902688 CONTAINS LESS THAN 1 PPM OF CAS
#91598 AND IS LISTED IN ACCORDANCE WITH THE REGULATIONS AS SPECIFIED IN
CALIFORNIA PROPOSITION 65. // OTHER REGULATORY REQUIREMENTS: LISTED IN

*** END OF DATA SHEET ***