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SDS

Common Name: TKO HC 4-1GL**Manufacturer:** ZEP MANUFACTURING**SDS Revision Date:** 9/14/2017**SDS Format:** GHS-US**Item Number(s):** 449W33**Manufacturer Model Number(s):**

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ZEP INC

SAFETY DATA SHEET

ZEP TKO HC 4-1GL

VERSION: 1.2

REVISION DATE: 09/14/2017

PRINT DATE: 01/10/2018

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION



MATERIAL NAME: ZEP TKO HC 4-1GL

MATERIAL NUMBER: R54824

MANUFACTURER OR SUPPLIER'S DETAILS:

COMPANY: ZEP INC.

ADDRESS:

350 JOE FRANK HARRIS PARKWAY, SE
EMERSON, GA 30137

TELEPHONE: 404-352-1680

EMERGENCY TELEPHONE NUMBERS:

FOR SDS INFORMATION:

COMPLIANCE SERVICES: 1-877-428-9937

FOR A MEDICAL EMERGENCY: 877-541-2016 TOLL FREE - ALL CALLS RECORDED

FOR A TRANSPORTATION EMERGENCY:

CHEMTREC: 800-424-9300 - ALL CALLS RECORDED.

IN THE DISTRICT OF COLUMBIA: 202-483-7616

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: HAND CARE

SECTION 2. HAZARDS IDENTIFICATION



EMERGENCY OVERVIEW:

APPEARANCE: VISCOUS

COLOUR: LIGHT BLUE

ODOUR: CHARACTERISTIC

GHS CLASSIFICATION:

EYE IRRITATION: CATEGORY 2A

GHS LABEL ELEMENTS:

HAZARD PICTOGRAMS: EXCLAMATION MARK

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

H319: CAUSES SERIOUS EYE IRRITATION.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P264: WASH SKIN THOROUGHLY AFTER HANDLING.

P280: WEAR EYE PROTECTION/FACE PROTECTION.

RESPONSE:

P305 + P351 + P338:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

P337 + P313:

IF EYE IRRITATION PERSISTS:

GET MEDICAL ADVICE/ATTENTION.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



SUBSTANCE / MIXTURE: MIXTURE

HAZARDOUS COMPONENTS:

CHEMICAL NAME	CAS-NO.	CONCENTRATION [%]
SULFONIC ACIDS, C14-16-ALKANE HYDROXY AND C14-16-ALKENE, SODIUM SALTS	68439-57-6	>=5 - <10

1-PROPANAMINIUM, N-(3-AMINOPROPYL)- 2-HYDROXY-N,N-DIMETHYL-3-SULFO-, N-COCO ACYL DERIVS., HYDROXIDES, INNER SALTS	68139-30-0	>=1 - <5
ALCOHOLS, C9-11, ETHOXYLATED	68439-46-3	>=1 - <3
FULLER'S EARTH	8031-18-3	>=1 - <5

THE EXACT PERCENTAGES OF DISCLOSED SUBSTANCES ARE WITHHELD AS TRADE SECRETS.

SECTION 4. FIRST AID MEASURES



GENERAL ADVICE: DO NOT LEAVE THE VICTIM UNATTENDED.

IF INHALED:

IF UNCONSCIOUS, PLACE IN RECOVERY POSITION AND SEEK MEDICAL ADVICE.
IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

IN CASE OF SKIN CONTACT:

THIS PRODUCT IS FORMULATED FOR USE ON SKIN BUT SHOULD ALWAYS BE IMMEDIATELY WASHED OFF WITH PLENTY OF WATER. DISCONTINUE USE IF IRRITATION AND REDNESS DEVELOP. IF CONDITIONS PERSIST FOR MORE THAN 72 HOURS, CONSULT A PHYSICIAN.

IN CASE OF EYE CONTACT:

REMOVE CONTACT LENSES.
PROTECT UNHARMED EYE.
IF EYE IRRITATION PERSISTS, CONSULT A SPECIALIST.

IF SWALLOWED:

KEEP RESPIRATORY TRACT CLEAR.
DO NOT GIVE MILK OR ALCOHOLIC BEVERAGES.
NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

EFFECTS ARE IMMEDIATE AND DELAYED.
SYMPTOMS MAY INCLUDE IRRITATION, REDNESS, PAIN, AND RASH.
CAUSES SERIOUS EYE IRRITATION.
REVIEW SECTION 2 OF SDS TO SEE ALL POTENTIAL HAZARDS.

NOTES TO PHYSICIAN: TREAT SYMPTOMATICALLY. SYMPTOMS MAY BE DELAYED.

SECTION 5. FIREFIGHTING MEASURES



SUITABLE EXTINGUISHING MEDIA:

DRY CHEMICAL
FOAM
ALCOHOL-RESISTANT FOAM
CARBON DIOXIDE (CO2)

UNSUITABLE EXTINGUISHING MEDIA: HIGH VOLUME WATER JET

HAZARDOUS COMBUSTION PRODUCTS:

CARBON DIOXIDE (CO2)
CARBON MONOXIDE
SMOKE
NITROGEN OXIDES (NOX)

SPECIFIC EXTINGUISHING METHODS:

USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND

THE SURROUNDING ENVIRONMENT.

FURTHER INFORMATION: STANDARD PROCEDURE FOR CHEMICAL FIRES.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:
WEAR SELF-CONTAINED BREATHING APPARATUS FOR FIREFIGHTING IF NECESSARY.

SECTION 6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
MATERIAL CAN CREATE SLIPPERY CONDITIONS.
USE NON-SLIP SAFETY SHOES IN AREAS WHERE SPILLS OR LEAKS CAN OCCUR.
REFER TO PROTECTIVE MEASURES LISTED IN SECTIONS 7 AND 8.

ENVIRONMENTAL PRECAUTIONS:
PREVENT PRODUCT FROM ENTERING DRAINS.

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

IF THE PRODUCT CONTAMINATES RIVERS AND LAKES OR DRAINS INFORM RESPECTIVE
AUTHORITIES.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:
SOAK UP WITH INERT ABSORBENT MATERIAL (E.G. SAND, SILICA GEL, ACID BINDER,
UNIVERSAL BINDER, SAWDUST).

KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

SECTION 7. HANDLING AND STORAGE



ADVICE ON SAFE HANDLING:
FOR PERSONAL PROTECTION SEE SECTION 8.
SMOKING, EATING AND DRINKING SHOULD BE PROHIBITED IN THE APPLICATION AREA.
DISPOSE OF RINSE WATER IN ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS.
AVOID CONTACT WITH EYES.

CONDITIONS FOR SAFE STORAGE:
KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

CONTAINERS WHICH ARE OPENED MUST BE CAREFULLY RESEALED AND KEPT UPRIGHT TO
PREVENT LEAKAGE.

MATERIALS TO AVOID: NO MATERIALS TO BE ESPECIALLY MENTIONED.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:
CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:
NO PERSONAL RESPIRATORY PROTECTIVE EQUIPMENT NORMALLY REQUIRED.

HAND PROTECTION:

REMARKS: NO SPECIAL PROTECTION IS REQUIRED.

EYE PROTECTION:
EYE PROTECTION IS NOT REQUIRED WHILE WASHING WITH THIS PRODUCT.

IN THE WORKPLACE, THE USE OF SAFETY GLASSES IS RECOMMENDED TO AVOID EYE EXPOSURE DURING THE HANDLING OF CONTAINERS OR DURING SPILL CLEAN-UP.

SKIN AND BODY PROTECTION: NO SPECIAL PROTECTION IS REQUIRED.

HYGIENE MEASURES:

WHEN USING DO NOT EAT OR DRINK.

WHEN USING DO NOT SMOKE.

WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE: VISCOUS

COLOUR: LIGHT BLUE

ODOUR: CHARACTERISTIC

ODOUR THRESHOLD: NO DATA AVAILABLE

PH: 5.5 - 6.5

MELTING POINT/FREEZING POINT: NO DATA AVAILABLE

BOILING POINT: 100 DEG. C

FLASH POINT: DOES NOT FLASH

EVAPORATION RATE: 1

UPPER EXPLOSION LIMIT: NO DATA AVAILABLE

LOWER EXPLOSION LIMIT: NO DATA AVAILABLE

VAPOUR PRESSURE: NO DATA AVAILABLE

RELATIVE VAPOUR DENSITY: NO DATA AVAILABLE

DENSITY: 1.102 G/CM³

SOLUBILITY(IES):

WATER SOLUBILITY: SOLUBLE

SOLUBILITY IN OTHER SOLVENTS: NOT DETERMINED

PARTITION COEFFICIENT N-OCTANOL/WATER: NO DATA AVAILABLE

AUTO-IGNITION TEMPERATURE: NOT DETERMINED

THERMAL DECOMPOSITION: NO DATA AVAILABLE

VISCOSITY:

VISCOSITY, KINEMATIC: NO DATA AVAILABLE

SECTION 10. STABILITY AND REACTIVITY



REACTIVITY: STABLE

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS:

STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

NO HAZARDS TO BE SPECIALLY MENTIONED.

CONDITIONS TO AVOID: NO DATA AVAILABLE

INCOMPATIBLE MATERIALS: NONE.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES

SECTION 11. TOXICOLOGICAL INFORMATION



POTENTIAL HEALTH EFFECTS:

AGGRAVATED MEDICAL CONDITION: NONE KNOWN.

SYMPTOMS OF OVEREXPOSURE:

EFFECTS ARE IMMEDIATE AND DELAYED.

SYMPTOMS MAY INCLUDE IRRITATION, REDNESS, PAIN, AND RASH.

CARCINOGENICITY:

IARC:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.

ACGIH:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.

OSHA:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS ON OSHA'S LIST OF REGULATED CARCINOGENS.

NTP:

NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.

ACUTE TOXICITY:

PRODUCT:

ACUTE ORAL TOXICITY:

ACUTE TOXICITY ESTIMATE: >5,000 MG/KG

METHOD: CALCULATION METHOD

ACUTE INHALATION TOXICITY:

ACUTE TOXICITY ESTIMATE: 59.11 MG/L

EXPOSURE TIME: 4 H

TEST ATMOSPHERE: VAPOUR

METHOD: CALCULATION METHOD

COMPONENTS:

ALCOHOLS, C9-11, ETHOXYLATED:

ACUTE ORAL TOXICITY:

LD50 ORAL RAT: 1,400 MG/KG

SKIN CORROSION/IRRITATION:

PRODUCT:

RESULT: NO SKIN IRRITATION

SERIOUS EYE DAMAGE/EYE IRRITATION:

PRODUCT:

RESULT: IRRITATING TO EYES.

RESPIRATORY OR SKIN SENSITISATION: NO DATA AVAILABLE

GERM CELL MUTAGENICITY: NO DATA AVAILABLE

CARCINOGENICITY: NO DATA AVAILABLE

REPRODUCTIVE TOXICITY: NO DATA AVAILABLE

STOT - SINGLE EXPOSURE: NO DATA AVAILABLE

STOT - REPEATED EXPOSURE: NO DATA AVAILABLE

ASPIRATION TOXICITY: NO DATA AVAILABLE

FURTHER INFORMATION:

PRODUCT:

REMARKS: NO DATA AVAILABLE

SECTION 12. ECOLOGICAL INFORMATION



ECOTOXICITY: NO DATA AVAILABLE

PERSISTENCE AND DEGRADABILITY: NO DATA AVAILABLE

BIOACCUMULATIVE POTENTIAL:

PRODUCT:

PARTITION COEFFICIENT N-OCTANOL/WATER:

REMARKS: NO DATA AVAILABLE

MOBILITY IN SOIL: NO DATA AVAILABLE

OTHER ADVERSE EFFECTS: NO DATA AVAILABLE

PRODUCT:

REGULATION:

40 CFR PROTECTION OF ENVIRONMENT; PART 82 PROTECTION OF STRATOSPHERIC OZONE - CAA SECTION 602 CLASS I SUBSTANCES

REMARKS:

THIS PRODUCT NEITHER CONTAINS, NOR WAS MANUFACTURED WITH A CLASS I OR CLASS II ODS AS DEFINED BY THE U.S. CLEAN AIR ACT SECTION 602 (40 CFR 82, SUBPT. A, APP.A + B).

ADDITIONAL ECOLOGICAL INFORMATION: NO DATA AVAILABLE

SECTION 13. DISPOSAL CONSIDERATIONS



DISPOSAL METHODS:

WASTE FROM RESIDUES: DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.

CONTAMINATED PACKAGING:

EMPTY REMAINING CONTENTS.

DISPOSE OF AS UNUSED PRODUCT.

DO NOT RE-USE EMPTY CONTAINERS.

SECTION 14. TRANSPORT INFORMATION



TRANSPORTATION REGULATION:
49 CFR (USA): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:
IMDG (VESSEL): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:
IATA (CARGO AIR): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:
IATA (PASSENGER AIR):
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

TRANSPORTATION REGULATION:
TDG (CANADA): NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

THE PRODUCT AS DELIVERED TO THE CUSTOMER CONFORMS TO PACKAGING REQUIREMENTS FOR SHIPMENT BY ROAD UNDER US DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS. ADDITIONAL TRANSPORTATION CLASSIFICATIONS NOTED ABOVE ARE FOR REFERENCE ONLY, AND NOT A CERTIFICATION OR WARRANTY OF THE SUITABILITY OF THE PACKAGING FOR SHIPMENT UNDER THESE ALTERNATIVE TRANSPORT REGULATIONS.

SECTION 15. REGULATORY INFORMATION



TSCA LIST:
NO SUBSTANCES ARE SUBJECT TO A SIGNIFICANT NEW USE RULE.
NO SUBSTANCES ARE SUBJECT TO TSCA 12(B) EXPORT NOTIFICATION REQUIREMENTS.

EPCRA - EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT:

CERCLA REPORTABLE QUANTITY:

COMPONENTS	CAS-NO.	COMPONENT RQ (LBS)	CALCULATED PRODUCT RQ (LBS)
METHANOL	67-56-1	5000	*

*: CALCULATED RQ EXCEEDS REASONABLY ATTAINABLE UPPER LIMIT.

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY:
THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 304 EHS RQ.

SARA 311/312 HAZARDS: SERIOUS EYE DAMAGE OR EYE IRRITATION

SARA 302:
NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302.

SARA 313:
THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL COMPONENTS WITH KNOWN CAS NUMBERS THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313.

CALIFORNIA PROP. 65:
THIS PRODUCT CONTAINS A CHEMICAL THAT IS AT OR BELOW CALIFORNIA PROPOSITIONS 65'S "SAFE HARBOR LEVEL" AS DETERMINED VIA A RISK ASSESSMENT. THEREFORE, THE CHEMICAL IS NOT REQUIRED TO BE LISTED AS A PROP 65 CHEMICAL ON THE SDS OR LABEL.

THE COMPONENTS OF THIS PRODUCT ARE REPORTED IN THE FOLLOWING INVENTORIES:

DSL:
THIS PRODUCT CONTAINS ONE OR MORE COMPONENTS THAT ARE LISTED ON THE CANADIAN NDSL. ALL OTHER COMPONENTS ARE ON THE CANADIAN DSL.

TSCA: ON TSCA INVENTORY

FOR INFORMATION ON THE COUNTRY NOTIFICATION STATUS FOR OTHER REGIONS PLEASE CONTACT THE MANUFACTURER'S REGULATORY GROUP.

INVENTORY ACRONYM AND VALIDITY AREA LEGEND:
TSCA (USA), DSL (CANADA), NDSL (CANADA)

SECTION 16. OTHER INFORMATION



FURTHER INFORMATION:

NFPA:

HEALTH 2
FLAMMABILITY 0
INSTABILITY 0
SPECIAL HAZARD.

HMIS III:

HEALTH 2
FLAMMABILITY 0
PHYSICAL HAZARD 0

0 = NOT SIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = EXTREME
* = CHRONIC

OSHA - GHS LABEL INFORMATION:

HAZARD PICTOGRAMS: EXCLAMATION MARK

SIGNAL WORD:

WARNING:

HAZARD STATEMENTS: CAUSES SERIOUS EYE IRRITATION.

PRECAUTIONARY STATEMENTS:

PREVENTION:

WASH SKIN THOROUGHLY AFTER HANDLING. WEAR EYE PROTECTION/FACE PROTECTION.

RESPONSE:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

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THIS SDS HAS BEEN PREPARED BY THE COMPLIANCE SERVICES ORGANIZATION
SUPPORTING THIS MANUFACTURER, SUPPLIER OR DISTRIBUTOR.

ZEP INC. MARKETS PRODUCTS UNDER WELL RECOGNIZED AND ESTABLISHED BRAND NAMES
SUCH AS ZEP(R*), ZEP COMMERCIAL(R*), ZEP PROFESSIONAL(R*), ENFORCER(R*),
NATIONAL CHEMICAL(TM), SELIG(TM), MISTY(R*), NEXT DIMENSION(TM), PETRO(R*),
I-CHEM(R*), TIMEMIST(R*), TIMEWICK(TM), MICROBEMAX(R*), COUNTRY VET(R*),
KONK(R*), ORIGINAL BIKE SPIRITS(R*), BLUE CORAL(R*), BLACK MAGIC(R*),
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