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SDS

Common Name: BLUE MARVEL 4-1GL

Manufacturer: ZEP MANUFACTURING

SDS Revision Date: 9/15/2017

SDS Format: GHS-US

Item Number(s): 453C89

Manufacturer Model Number(s):

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ZEP INC

SAFETY DATA SHEET

ZEP BLUE MARVEL 4-1GL

VERSION: 3.0

REVISION DATE: 09/15/2017

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION



MATERIAL NAME: ZEP BLUE MARVEL 4-1GL

MATERIAL NUMBER: 000000000000035624

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: TRANSPORTATION WASH

SECTION 2. HAZARDS IDENTIFICATION



EMERGENCY OVERVIEW:

APPEARANCE: VISCOUS

COLOUR: BLUE

ODOUR: MILD

GHS CLASSIFICATION:
SKIN IRRITATION: CATEGORY 2
EYE IRRITATION: CATEGORY 2A

GHS LABEL ELEMENTS:

HAZARD PICTOGRAMS: EXCLAMATION MARK

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

H315: CAUSES SKIN IRRITATION.

H319: CAUSES SERIOUS EYE IRRITATION.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P264: WASH SKIN THOROUGHLY AFTER HANDLING.

P280: WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.

RESPONSE:

P302 + P352:

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

P305 + P351 + P338:

IF IN EYES:

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

P332 + P313:

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION.

P337 + P313:

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

P362: TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS



SUBSTANCE / MIXTURE: MIXTURE

HAZARDOUS COMPONENTS:

CHEMICAL NAME	CAS-NO.	CONCENTRATION [%]
SODIUM DODECYLBENZENESULFONATE	25155-30-0	>=10 - <20

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 BREATHED IN, MOVE PERSON INTO FRESH AIR.

REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, GET MEDICAL

ATTENTION.

IN CASE OF SKIN CONTACT:

IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN.

IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.

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 SKIN IRRITATION.

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

CARBON DIOXIDE (CO2)

ALCOHOL-RESISTANT FOAM

FOAM

WATER SPRAY

UNSUITABLE EXTINGUISHING MEDIA: HIGH VOLUME WATER JET

HAZARDOUS COMBUSTION PRODUCTS:

CARBON DIOXIDE (CO2)

CARBON MONOXIDE

SMOKE

SPECIFIC EXTINGUISHING METHODS:

USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT.

FURTHER INFORMATION:

STANDARD PROCEDURE FOR CHEMICAL FIRES.

USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT.

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:
USE PERSONAL PROTECTIVE EQUIPMENT.
ENSURE ADEQUATE VENTILATION.
EVACUATE PERSONNEL TO SAFE AREAS.

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:
WIPE UP WITH ABSORBENT MATERIAL (E.G. CLOTH, FLEECE).
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.

CONDITIONS FOR SAFE STORAGE:
ELECTRICAL INSTALLATIONS / WORKING MATERIALS MUST COMPLY WITH THE TECHNOLOGICAL SAFETY STANDARDS.

MATERIALS TO AVOID:
DO NOT FREEZE.
OXIDIZING AGENTS
DO NOT STORE NEAR ACIDS.

STORAGE TEMPERATURE: 5 - 40 DEG. C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

ENGINEERING MEASURES: EFFECTIVE VENTILATION IN ALL PROCESSING AREAS

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:
NO PERSONAL RESPIRATORY PROTECTIVE EQUIPMENT NORMALLY REQUIRED.

HAND PROTECTION:

MATERIAL:
NITRILE RUBBER
RUBBER GLOVES
NEOPRENE GLOVES

EYE PROTECTION: SAFETY GLASSES

SKIN AND BODY PROTECTION:

PROTECTIVE SUIT

CHOOSE BODY PROTECTION ACCORDING TO THE AMOUNT AND CONCENTRATION OF THE DANGEROUS SUBSTANCE AT THE WORK PLACE.

HYGIENE MEASURES:
WHEN USING DO NOT EAT OR DRINK.
WHEN USING DO NOT SMOKE.
WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



APPEARANCE: VISCOUS

COLOUR: BLUE

ODOUR: MILD

ODOUR THRESHOLD: NO DATA AVAILABLE

PH: 8 - 10.5

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: NOT DETERMINED

RELATIVE VAPOUR DENSITY: NO DATA AVAILABLE

DENSITY: 1.031 G/CM3

SOLUBILITY(IES):

WATER SOLUBILITY: PARTLY SOLUBLE

PARTITION COEFFICIENT N-OCTANOL/WATER: NO DATA AVAILABLE

AUTO-IGNITION TEMPERATURE: NOT DETERMINED

THERMAL DECOMPOSITION: NO DATA AVAILABLE

VISCOSITY:

VISCOSITY, KINEMATIC: 106.9 MM2/S

SECTION 10. STABILITY AND REACTIVITY



REACTIVITY: STABLE

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS:
STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

CONDITIONS TO AVOID: NO DATA AVAILABLE

INCOMPATIBLE MATERIALS:
ACIDS
OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON MONOXIDE, CARBON DIOXIDE AND UNBURNED HYDROCARBONS (SMOKE).
SULPHUR 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.

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: 2,214 MG/KG

METHOD: CALCULATION METHOD

COMPONENTS:

SODIUM DODECYLBENZENESULFONATE:

ACUTE ORAL TOXICITY:

LD50 ORAL RAT: 438 MG/KG

SKIN CORROSION/IRRITATION:

PRODUCT:

REMARKS: IRRITATING TO SKIN.

SERIOUS EYE DAMAGE/EYE IRRITATION:

PRODUCT:

REMARKS: IRRITATING TO EYES.

RESPIRATORY OR SKIN SENSITIZATION: 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:

DO NOT DISPOSE OF WASTE INTO SEWER.

DO NOT CONTAMINATE PONDS, WATERWAYS OR DITCHES WITH CHEMICAL OR USED CONTAINER.

DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.

CONTAMINATED PACKAGING:

EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR RECYCLING OR DISPOSAL.

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)
SODIUM DODECYL- BENZENESULFONATE	25155-30-0	1000	*

*: CALCULATED RQ EXCEEDS REASONABLY ATTAINABLE UPPER LIMIT.

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY:

COMPONENTS	CAS-NO.	COMPONENT RQ (LBS)	CALCULATED PRODUCT RQ (LBS)
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*: CALCULATED RQ EXCEEDS REASONABLY ATTAINABLE UPPER LIMIT.

SARA 311/312 HAZARDS:
SKIN CORROSION OR IRRITATION
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:

WARNING:

THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING SULPHUR DIOXIDE, METHANOL, WHICH IS/ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION GO TO WWW.P65WARNINGS.CA.GOV.

EXCLAMATION MARK

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:

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NFPA:
HEALTH                2
FLAMMABILITY          0
INSTABILITY           0
SPECIAL HAZARD.

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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 SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION.

PRECAUTIONARY STATEMENTS:

PREVENTION:
WASH SKIN THOROUGHLY AFTER HANDLING. WEAR PROTECTIVE GLOVES/EYE
PROTECTION/FACE PROTECTION.

RESPONSE:
IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

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

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION.

IF EYE IRRITATION PERSISTS:
GET MEDICAL ADVICE/ATTENTION. TAKE OFF CONTAMINATED CLOTHING AND WASH
BEFORE REUSE.

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