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SDS

Common Name: TOUGH GUY HAND CLEANER TOWELS**Manufacturer:** W.W. GRAINGER**SDS Revision Date:** 2/10/2015**SDS Format:** GHS-US**Item Number(s):** 2DHD2, 2DHD3, 31HJ78, 31HJ79, 3AXC6, 3AXC7**Manufacturer Model Number(s):**

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SAFETY DATA SHEET

TOUGH GUY(R*) HAND CLEANER TOWELS

VERSION: 1.1

REVISION DATE: 02/10/2015

MSDS NUMBER: 37214-00002

DATE OF LAST ISSUE: 12/16/2014

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SECTION 1. IDENTIFICATION

top

PRODUCT NAME: TOUGH GUY(R*) HAND CLEANER TOWELS

PRODUCT CODE: 31HJ79; 3AXC6

MANUFACTURER OR SUPPLIER'S DETAILS:

COMPANY NAME OF SUPPLIER: W.W. GRAINGER, INC.

ADDRESS:

100 N GRAINGER PARKWAY
LAKE FOREST, ILLINOIS 60045

TELEPHONE: 847-535-1000

EMERGENCY TELEPHONE: 800-983-4582

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: SKIN-CARE

RESTRICTIONS ON USE:

THIS IS A PERSONAL CARE OR COSMETIC PRODUCT THAT IS SAFE FOR CONSUMERS AND OTHER USERS UNDER NORMAL AND REASONABLY FORESEEABLE USE. COSMETICS AND CONSUMER PRODUCTS, SPECIFICALLY DEFINED BY REGULATIONS AROUND THE WORLD, ARE EXEMPT FROM THE REQUIREMENT OF AN SDS FOR THE CONSUMER. WHILE THIS MATERIAL IS NOT CONSIDERED HAZARDOUS, THIS SDS CONTAINS VALUABLE INFORMATION CRITICAL TO THE SAFE HANDLING AND PROPER USE OF THE PRODUCT FOR INDUSTRIAL WORKPLACE CONDITIONS AS WELL AS UNUSUAL AND UNINTENDED EXPOSURES SUCH AS LARGE SPILLS. THIS SDS SHOULD BE RETAINED AND AVAILABLE FOR EMPLOYEES AND OTHER USERS OF THIS PRODUCT. FOR SPECIFIC INTENDED-USE GUIDANCE, PLEASE REFER TO THE INFORMATION PROVIDED ON THE PACKAGE OR INSTRUCTION SHEET.

SECTION 2. HAZARDS IDENTIFICATION top

GHS CLASSIFICATION:

EYE IRRITATION: CATEGORY 2A

GHS LABEL ELEMENT:

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.

OTHER HAZARDS: NONE KNOWN.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS top

SUBSTANCE / MIXTURE: MIXTURE

HAZARDOUS INGREDIENTS:

CHEMICAL NAME	CAS-NO.	CONCENTRATION (%)
ETHOXYLATED LAURYL ALCOHOL	9002-92-0	>=1 - <5
FRAGRANCE - ORANGE WIPES	NOT ASSIGNED	>=0.1 - <1

SECTION 4. FIRST AID MEASURES top

GENERAL ADVICE:

IN THE CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY.

WHEN SYMPTOMS PERSIST OR IN ALL CASES OF DOUBT SEEK MEDICAL ADVICE.

IF INHALED:

IF INHALED, REMOVE TO FRESH AIR.

GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.

IN CASE OF SKIN CONTACT:

WASH WITH WATER AND SOAP AS A PRECAUTION.

GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.

IN CASE OF EYE CONTACT:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

IF EASY TO DO, REMOVE CONTACT LENS, IF WORN.

GET MEDICAL ATTENTION.

IF SWALLOWED:

IF SWALLOWED, DO NOT INDUCE VOMITING.

GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.

RINSE MOUTH THOROUGHLY WITH WATER.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

CAUSES SERIOUS EYE IRRITATION.

PROTECTION OF FIRST-AIDERS:

FIRST AID RESPONDERS SHOULD PAY ATTENTION TO SELF-PROTECTION, AND USE THE RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT WHEN THE POTENTIAL FOR EXPOSURE EXISTS.

NOTES TO PHYSICIAN: TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

SECTION 5. FIRE-FIGHTING MEASURES top

SUITABLE EXTINGUISHING MEDIA:

WATER SPRAY

ALCOHOL-RESISTANT FOAM

DRY CHEMICAL

CARBON DIOXIDE (CO2)

UNSUITABLE EXTINGUISHING MEDIA: NONE KNOWN.

SPECIFIC HAZARDS DURING FIRE FIGHTING:

EXPOSURE TO COMBUSTION PRODUCTS MAY BE A HAZARD TO HEALTH.

HAZARDOUS COMBUSTION PRODUCTS:

CARBON OXIDES

NONE KNOWN.

SPECIFIC EXTINGUISHING METHODS:

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

USE WATER SPRAY TO COOL UNOPENED CONTAINERS.

REMOVE UNDAMAGED CONTAINERS FROM FIRE AREA IF IT IS SAFE TO DO SO.

EVACUATE AREA.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

IN THE EVENT OF FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS.

USE PERSONAL PROTECTIVE EQUIPMENT.

SECTION 6. ACCIDENTAL RELEASE MEASURES top

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
USE PERSONAL PROTECTIVE EQUIPMENT.

FOLLOW SAFE HANDLING ADVICE AND PERSONAL PROTECTIVE EQUIPMENT RECOMMENDATIONS.

ENVIRONMENTAL PRECAUTIONS:

DISCHARGE INTO THE ENVIRONMENT MUST BE AVOIDED.

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

PREVENT SPREADING OVER A WIDE AREA (E.G. BY CONTAINMENT OR OIL BARRIERS).

RETAIN AND DISPOSE OF CONTAMINATED WASH WATER.

LOCAL AUTHORITIES SHOULD BE ADVISED IF SIGNIFICANT SPILLAGES CANNOT BE CONTAINED.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:
SOAK UP WITH INERT ABSORBENT MATERIAL.

FOR LARGE SPILLS, PROVIDE DIKING OR OTHER APPROPRIATE CONTAINMENT TO KEEP MATERIAL FROM SPREADING. IF DIKED MATERIAL CAN BE PUMPED, STORE RECOVERED MATERIAL IN APPROPRIATE CONTAINER.

CLEAN UP REMAINING MATERIALS FROM SPILL WITH SUITABLE ABSORBENT.

LOCAL OR NATIONAL REGULATIONS MAY APPLY TO RELEASES AND DISPOSAL OF THIS MATERIAL, AS WELL AS THOSE MATERIALS AND ITEMS EMPLOYED IN THE CLEANUP OF RELEASES. YOU WILL NEED TO DETERMINE WHICH REGULATIONS ARE APPLICABLE.

SECTIONS 13 AND 15 OF THIS SDS PROVIDE INFORMATION REGARDING CERTAIN LOCAL OR NATIONAL REQUIREMENTS.

SECTION 7. HANDLING AND STORAGE top**TECHNICAL MEASURES:**

SEE ENGINEERING MEASURES UNDER EXPOSURE CONTROLS/PERSONAL PROTECTION SECTION.

LOCAL/TOTAL VENTILATION: USE ONLY WITH ADEQUATE VENTILATION.

ADVICE ON SAFE HANDLING:

AVOID INHALATION OF VAPOR OR MIST.

DO NOT SWALLOW.

DO NOT GET IN EYES.

AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.
HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.
TAKE CARE TO PREVENT SPILLS, WASTE AND MINIMIZE RELEASE TO THE ENVIRONMENT.

CONDITIONS FOR SAFE STORAGE:
KEEP IN PROPERLY LABELED CONTAINERS.
STORE IN ACCORDANCE WITH THE PARTICULAR NATIONAL REGULATIONS.

MATERIALS TO AVOID:
DO NOT STORE WITH THE FOLLOWING PRODUCT TYPES: STRONG OXIDIZING AGENTS

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

 top

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

HAZARDOUS COMPONENTS WITHOUT WORKPLACE CONTROL PARAMETERS:

INGREDIENTS	CAS-NO.
ETHOXYLATED LAURYL ALCOHOL	9002-92-0
FRAGRANCE - ORANGE WIPES	NOT ASSIGNED

ENGINEERING MEASURES:
ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS.
MINIMIZE WORKPLACE EXPOSURE CONCENTRATIONS.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:
NO PERSONAL RESPIRATORY PROTECTIVE EQUIPMENT NORMALLY REQUIRED.

HAND PROTECTION:

MATERIAL: IMPERVIOUS GLOVES

REMARKS:
CHOOSE GLOVES TO PROTECT HANDS AGAINST CHEMICALS DEPENDING ON THE
CONCENTRATION SPECIFIC TO PLACE OF WORK. BREAKTHROUGH TIME IS NOT
DETERMINED FOR THE PRODUCT.

CHANGE GLOVES OFTEN!

FOR SPECIAL APPLICATIONS, WE RECOMMEND CLARIFYING THE RESISTANCE TO
CHEMICALS OF THE AFOREMENTIONED PROTECTIVE GLOVES WITH THE GLOVE
MANUFACTURER. WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

EYE PROTECTION:
WEAR THE FOLLOWING PERSONAL PROTECTIVE EQUIPMENT: SAFETY GOGGLES

SKIN AND BODY PROTECTION:
SELECT APPROPRIATE PROTECTIVE CLOTHING BASED ON CHEMICAL RESISTANCE DATA
AND AN ASSESSMENT OF THE LOCAL EXPOSURE POTENTIAL.

SKIN CONTACT MUST BE AVOIDED BY USING IMPERVIOUS PROTECTIVE CLOTHING
(GLOVES, APRONS, BOOTS, ETC).

HYGIENE MEASURES:
ENSURE THAT EYE FLUSHING SYSTEMS AND SAFETY SHOWERS ARE LOCATED CLOSE TO
THE WORKING PLACE.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH CONTAMINATED CLOTHING BEFORE RE-USE.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: LIQUID

COLOR: CLEAR, COLORLESS TO PALE YELLOW

ODOR: CITRUS

ODOR THRESHOLD: NO DATA AVAILABLE

PH: 6.0 - 8.5

MELTING POINT/FREEZING POINT: NO DATA AVAILABLE

INITIAL BOILING POINT AND BOILING RANGE: NO DATA AVAILABLE

FLASH POINT: >100 DEG. C

EVAPORATION RATE: NO DATA AVAILABLE

FLAMMABILITY (SOLID, GAS): NOT APPLICABLE

UPPER EXPLOSION LIMIT: NO DATA AVAILABLE

LOWER EXPLOSION LIMIT: NO DATA AVAILABLE

VAPOR PRESSURE: NO DATA AVAILABLE

RELATIVE VAPOR DENSITY: NO DATA AVAILABLE

DENSITY: 1.00 G/CM3

SOLUBILITY(IES):

WATER SOLUBILITY: SOLUBLE

PARTITION COEFFICIENT N-OCTANOL/WATER: NOT APPLICABLE

AUTOIGNITION TEMPERATURE: NO DATA AVAILABLE

DECOMPOSITION TEMPERATURE:

THE SUBSTANCE OR MIXTURE IS NOT CLASSIFIED SELF-REACTIVE.

VISCOSITY:

VISCOSITY, DYNAMIC: NO DATA AVAILABLE

EXPLOSIVE PROPERTIES: NOT EXPLOSIVE

OXIDIZING PROPERTIES:

THE SUBSTANCE OR MIXTURE IS NOT CLASSIFIED AS OXIDIZING.

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: NOT CLASSIFIED AS A REACTIVITY HAZARD.

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS:

CAN REACT WITH STRONG OXIDIZING AGENTS.

CONDITIONS TO AVOID: NONE KNOWN.

INCOMPATIBLE MATERIALS: OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS:
NO HAZARDOUS DECOMPOSITION PRODUCTS ARE KNOWN.

SECTION 11. TOXICOLOGICAL INFORMATION

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INFORMATION ON LIKELY ROUTES OF EXPOSURE:

INHALATION
SKIN CONTACT
INGESTION
EYE CONTACT

ACUTE TOXICITY: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

PRODUCT:

ACUTE ORAL TOXICITY:

ACUTE TOXICITY ESTIMATE: >5,000 MG/KG
METHOD: CALCULATION METHOD

INGREDIENTS:

ETHOXYLATED LAURYL ALCOHOL:

ACUTE ORAL TOXICITY:

LD50 (RAT): >500 - 2,000 MG/KG
REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

ACUTE INHALATION TOXICITY:

LC50 (RAT): >1.6 MG/L
EXPOSURE TIME: 4 H
TEST ATMOSPHERE: DUST/MIST
REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

ACUTE DERMAL TOXICITY:

LD50 (RAT): >2,000 MG/KG
REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

SKIN CORROSION/IRRITATION: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

PRODUCT:

RESULT: NO SKIN IRRITATION

INGREDIENTS:

ETHOXYLATED LAURYL ALCOHOL:

SPECIES: RABBIT
RESULT: NO SKIN IRRITATION
REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

FRAGRANCE - ORANGE WIPES:
RESULT: MILD SKIN IRRITATION

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

PRODUCT:

RESULT: IRRITATION TO EYES, REVERSING WITHIN 21 DAYS

INGREDIENTS:

ETHOXYLATED LAURYL ALCOHOL:

SPECIES: RABBIT

RESULT: IRREVERSIBLE EFFECTS ON THE EYE

REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

FRAGRANCE - ORANGE WIPES:

RESULT: IRRITATION TO EYES, REVERSING WITHIN 7 DAYS

RESPIRATORY OR SKIN SENSITIZATION:

SKIN SENSITIZATION: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

RESPIRATORY SENSITIZATION: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

PRODUCT:

ASSESSMENT: DOES NOT CAUSE SKIN SENSITIZATION.

INGREDIENTS:

ETHOXYLATED LAURYL ALCOHOL:

TEST TYPE: MAXIMIZATION TEST (GPMT)

ROUTES OF EXPOSURE: SKIN CONTACT

SPECIES: GUINEA PIG

METHOD: OECD TEST GUIDELINE 406

RESULT: NEGATIVE

REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

FRAGRANCE - ORANGE WIPES:

ASSESSMENT: PROBABILITY OR EVIDENCE OF SKIN SENSITIZATION IN HUMANS

GERM CELL MUTAGENICITY: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

INGREDIENTS:

ETHOXYLATED LAURYL ALCOHOL:

GENOTOXICITY IN VITRO:

TEST TYPE: BACTERIAL REVERSE MUTATION ASSAY (AMES)

METHOD: OECD TEST GUIDELINE 471

RESULT: NEGATIVE

REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

CARCINOGENICITY: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

IARC:

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

NTP:

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

REPRODUCTIVE TOXICITY: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

STOT-SINGLE EXPOSURE: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

INGREDIENTS:

FRAGRANCE - ORANGE WIPES:

ASSESSMENT: MAY CAUSE RESPIRATORY IRRITATION.

STOT-REPEATED EXPOSURE: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

ASPIRATION TOXICITY: NOT CLASSIFIED BASED ON AVAILABLE INFORMATION.

SECTION 12. ECOLOGICAL INFORMATION top

ECOTOXICITY:

INGREDIENTS:

ETHOXYLATED LAURYL ALCOHOL:

TOXICITY TO FISH:

LC50 (DANIO RERIO (ZEBRA FISH)): >1 - 10 MG/L

EXPOSURE TIME: 96 H

REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:

EC50 (DAPHNIA MAGNA (WATER FLEA)): >1 - 10 MG/L

EXPOSURE TIME: 48 H

REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES (CHRONIC TOXICITY):

NOEC (DAPHNIA MAGNA (WATER FLEA)): >0.1 - 1 MG/L

EXPOSURE TIME: 21 D

REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

PERSISTENCE AND DEGRADABILITY:

INGREDIENTS:

ETHOXYLATED LAURYL ALCOHOL:

BIODEGRADABILITY:

RESULT: RAPIDLY DEGRADABLE

REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

BIOACCUMULATIVE POTENTIAL:

INGREDIENTS:

ETHOXYLATED LAURYL ALCOHOL:

BIOACCUMULATION:

SPECIES: FISH

BIOCONCENTRATION FACTOR (BCF): <500

REMARKS: BASED ON DATA FROM SIMILAR MATERIALS

MOBILITY IN SOIL: NO DATA AVAILABLE

OTHER ADVERSE EFFECTS: NO DATA AVAILABLE

SECTION 13. DISPOSAL CONSIDERATIONS top

DISPOSAL METHODS:

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

CONTAMINATED PACKAGING:

DISPOSE OF AS UNUSED PRODUCT.

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

SECTION 14. TRANSPORT INFORMATION top

INTERNATIONAL REGULATION:

UNRTDG: NOT REGULATED AS A DANGEROUS GOOD

IATA-DGR: NOT REGULATED AS A DANGEROUS GOOD

IMDG-CODE: NOT REGULATED AS A DANGEROUS GOOD

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:
NOT APPLICABLE FOR PRODUCT AS SUPPLIED.

DOMESTIC REGULATION:

49 CFR: NOT REGULATED AS A DANGEROUS GOOD

SECTION 15. REGULATORY INFORMATION top

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

CERCLA REPORTABLE QUANTITY:

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A CERCLA RQ.

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY:

THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A SECTION 304 EHS RQ.

SARA 311/312 HAZARDS: ACUTE HEALTH HAZARD

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.

US STATE REGULATIONS:

PENNSYLVANIA RIGHT TO KNOW:

WATER	7732-18-5	90 - 100%
ETHOXYLATED LAURYL ALCOHOL	9002-92-0	1 - 5%

NEW JERSEY RIGHT TO KNOW:

WATER	7732-18-5	90 - 100%
ETHOXYLATED LAURYL ALCOHOL	9002-92-0	1 - 5%
POLYETHYLENE GLYCOL SORBITAN MONOLAUATE	9005-64-5	1 - 5%

CALIFORNIA PROP 65:

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE CANCER, BIRTH, OR ANY OTHER REPRODUCTIVE DEFECTS.

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

AICS: ALL INGREDIENTS LISTED OR EXEMPT.

INVENTORIES:

AICS (AUSTRALIA), DSL (CANADA), IECSC (CHINA), REACH (EUROPEAN UNION), ENCS

(JAPAN), ISHL (JAPAN), KECI (KOREA), NZIOC (NEW ZEALAND), PICCS
(PHILIPPINES), NECSI (TAIWAN), TSCA (USA)

SECTION 16. OTHER INFORMATION

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FURTHER INFORMATION:

NFPA:

HEALTH 2
FLAMMABILITY 1
INSTABILITY 0
SPECIAL HAZARD.

HMIS III:

HEALTH 2
FLAMMABILITY 1
PHYSICAL HAZARD 0

0 = NOT SIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = EXTREME

* = CHRONIC

SOURCES OF KEY DATA USED TO COMPILE THE MATERIAL SAFETY DATA SHEET:
INTERNAL TECHNICAL DATA, DATA FROM RAW MATERIAL SDSS, OECD ECHEM PORTAL
SEARCH RESULTS AND EUROPEAN CHEMICALS AGENCY, [HTTP://ECHA.EUROPA.EU/](http://ECHA.EUROPA.EU/)

REVISION DATE: 02/10/2015

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 IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND SHALL NOT BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION OF ANY TYPE. THE INFORMATION PROVIDED RELATES ONLY TO THE SPECIFIC MATERIAL IDENTIFIED AT THE TOP OF THIS SDS AND MAY NOT BE VALID WHEN THE SDS MATERIAL IS USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT. MATERIAL USERS SHOULD REVIEW THE INFORMATION AND RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THEIR INTENDED MANNER OF HANDLING, USE, PROCESSING AND STORAGE, INCLUDING AN ASSESSMENT OF THE APPROPRIATENESS OF THE SDS MATERIAL IN THE USER'S END PRODUCT, IF APPLICABLE.

US / Z8