

SAFETY DATA SHEET

ACC. TO OSHA HCS

PRINTING DATE: 01/22/2016

REVIEWED ON: 01/22/2016

## **1 IDENTIFICATION**

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PRODUCT IDENTIFIER: 2ZXG6

TRADE NAME: CANISTER SPRAY REFILL, CINNAMON

MANUFACTURER ARTICLE NUMBER: EAEMC29

APPLICATION OF THE SUBSTANCE / THE MIXTURE: AIR FRESHENER

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET: (791) (145)

MANUFACTURER/SUPPLIER:  
GRAINGER GLOBAL SOURCING  
100 GRAINGER PARKWAY  
LAKE FOREST, IL 60045  
USA

847-535-1000

INFORMATION DEPARTMENT: GRAINGER TECHNICAL SUPPORT

EMERGENCY TELEPHONE NUMBER:  
GRAINGER TECHNICAL SUPPORT AT: 1-800-356-2501

IN THE CASE OF POISONING, CONTACT CHEMTREC:  
1-800-424-9300 (TOLL-FREE)  
00 + 1-703-527-3887 (NON-US)

## **2 HAZARD(S) IDENTIFICATION**

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CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

GHS02: FLAME

FLAM. AEROSOL 1:  
H222: EXTREMELY FLAMMABLE AEROSOL.

GHS04: GAS CYLINDER

PRESS. GAS:  
H280: CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.

GHS07: EXCLAMATION MARK

EYE IRRIT. 2A:  
H319: CAUSES SERIOUS EYE IRRITATION.

SKIN SENS. 1:  
H317: MAY CAUSE AN ALLERGIC SKIN REACTION.

STOT SE 3:  
H336: MAY CAUSE DROWSINESS OR DIZZINESS.

LABEL ELEMENTS:

GHS LABEL ELEMENTS:  
THE PRODUCT IS CLASSIFIED AND LABELED ACCORDING TO THE GLOBALLY HARMONIZED SYSTEM (GHS).

HAZARD PICTOGRAMS:  
GHS02: FLAME  
GHS04: GAS CYLINDER  
GHS07: EXCLAMATION MARK

SIGNAL WORD: DANGER

HAZARD-DETERMINING COMPONENTS OF LABELING:  
ACETONE  
EUGENOL  
CINNAMAL  
COUMARIN

HAZARD STATEMENTS:  
EXTREMELY FLAMMABLE AEROSOL.  
CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.  
CAUSES SERIOUS EYE IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
MAY CAUSE DROWSINESS OR DIZZINESS.

PRECAUTIONARY STATEMENTS:

KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. NO SMOKING.

DO NOT PIERCE OR BURN, EVEN AFTER USE.

DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE.

AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY

WEAR PROTECTIVE GLOVES.

WEAR EYE PROTECTION / FACE PROTECTION.

WASH THOROUGHLY AFTER HANDLING.

USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.

CONTAMINATED WORK CLOTHING MUST NOT BE ALLOWED OUT OF THE WORKPLACE.

IF IN EYES:

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

SPECIFIC TREATMENT (SEE ON THIS LABEL).

IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

CALL A POISON CENTER/DOCTOR IF YOU FEEL UNWELL.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

IF ON SKIN: WASH WITH PLENTY OF WATER.

STORE LOCKED UP.

PROTECT FROM SUNLIGHT. STORE IN A WELL-VENTILATED PLACE.

PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F.

STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS.

CLASSIFICATION SYSTEM:

NFPA RATINGS (SCALE 0 - 4):

HEALTH 1  
FIRE 4  
REACTIVITY 1

HMIS-RATINGS (SCALE 0 - 4):

HEALTH 1  
FIRE 4  
REACTIVITY 1

OTHER HAZARDS:

RESULTS OF PBT AND VPVB ASSESSMENT:

PBT: NOT APPLICABLE.

VPVB: NOT APPLICABLE.

### **3 COMPOSITION/INFORMATION ON INGREDIENTS**

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CHEMICAL CHARACTERIZATION: MIXTURES

DESCRIPTION:

MIXTURE OF THE SUBSTANCES LISTED BELOW WITH NONHAZARDOUS ADDITIONS.

DANGEROUS COMPONENTS:

67-64-1	ACETONE	25-50%
	FRAGRANCE TRADE SECRET (791)	10-<25%
75-28-5	ISOBUTANE	10-<25%
74-98-6	PROPANE	2.5-<10%
106-97-8	BUTANE	0.1-</=2.5%
97-53-0	EUGENOL	1-</=2.5%
91-64-5	COUMARIN	0.1-<1%
104-55-2	CINNAMAL	0.1-<1%

#### 4 FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

AFTER INHALATION:

SUPPLY FRESH AIR AND TO BE SURE CALL FOR A DOCTOR.

IN CASE OF UNCONSCIOUSNESS PLACE PATIENT STABLY IN SIDE POSITION FOR TRANSPORTATION.

AFTER SKIN CONTACT:

IMMEDIATELY WASH WITH WATER AND SOAP AND RINSE THOROUGHLY.

AFTER EYE CONTACT:

RINSE OPENED EYE FOR SEVERAL MINUTES UNDER RUNNING WATER. IF SYMPTOMS PERSIST, CONSULT A DOCTOR.

AFTER SWALLOWING: IF SYMPTOMS PERSIST CONSULT DOCTOR.

INFORMATION FOR DOCTOR:

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

NO FURTHER RELEVANT INFORMATION AVAILABLE.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NO FURTHER RELEVANT INFORMATION AVAILABLE.

#### 5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING AGENTS:

CO<sub>2</sub>, SAND, EXTINGUISHING POWDER. DO NOT USE WATER.

FOR SAFETY REASONS UNSUITABLE EXTINGUISHING AGENTS: WATER WITH FULL JET

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

NO FURTHER RELEVANT INFORMATION AVAILABLE.

ADVICE FOR FIREFIGHTERS:

PROTECTIVE EQUIPMENT: NO SPECIAL MEASURES REQUIRED.

## **6 ACCIDENTAL RELEASE MEASURES**

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PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

WEAR PROTECTIVE EQUIPMENT. KEEP UNPROTECTED PERSONS AWAY.

ENVIRONMENTAL PRECAUTIONS:

DO NOT ALLOW TO ENTER SEWERS/SURFACE OR GROUND WATER.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

ENSURE ADEQUATE VENTILATION.

DO NOT FLUSH WITH WATER OR AQUEOUS CLEANSING AGENTS

REFERENCE TO OTHER SECTIONS:

SEE SECTION 7 FOR INFORMATION ON SAFE HANDLING.

SEE SECTION 8 FOR INFORMATION ON PERSONAL PROTECTION EQUIPMENT.

SEE SECTION 13 FOR DISPOSAL INFORMATION.

## **7 HANDLING AND STORAGE**

HANDLING:

PRECAUTIONS FOR SAFE HANDLING:

ENSURE GOOD VENTILATION/EXHAUSTION AT THE WORKPLACE.

OPEN AND HANDLE RECEPTACLE WITH CARE.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES:

DO NOT SPRAY ON A NAKED FLAME OR ANY INCANDESCENT MATERIAL.

KEEP IGNITION SOURCES AWAY - DO NOT SMOKE.

PROTECT FROM HEAT.

PROTECT AGAINST ELECTROSTATIC CHARGES.

PRESSURIZED CONTAINER:

PROTECT FROM SUNLIGHT AND DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG.

C, I.E. ELECTRIC LIGHTS. DO NOT PIERCE OR BURN, EVEN AFTER USE.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE:

REQUIREMENTS TO BE MET BY STOREROOMS AND RECEPTACLES:

STORE IN A COOL LOCATION.

OBSERVE OFFICIAL REGULATIONS ON STORING PACKAGINGS WITH PRESSURIZED CONTAINERS.

INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY: NOT REQUIRED.

FURTHER INFORMATION ABOUT STORAGE CONDITIONS:

KEEP RECEPTACLE TIGHTLY SEALED.

DO NOT GAS TIGHT SEAL RECEPTACLE.

STORE IN COOL, DRY CONDITIONS IN WELL SEALED RECEPTACLES.

PROTECT FROM HEAT AND DIRECT SUNLIGHT.

SPECIFIC END USE(S): NO FURTHER RELEVANT INFORMATION AVAILABLE.

## **8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS:  
NO FURTHER DATA; SEE ITEM 7.

CONTROL PARAMETERS:

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:

67-64-1 ACETONE:

PEL:

LONG-TERM VALUE: 2400 MG/M3, 1000 PPM

REL:

LONG-TERM VALUE: 590 MG/M3, 250 PPM

TLV:

SHORT-TERM VALUE: 1187 MG/M3, 500 PPM

LONG-TERM VALUE: 594 MG/M3, 250 PPM

BEI

75-28-5 ISOBUTANE:

TLV:

SHORT-TERM VALUE: 2370 MG/M3, 1000 PPM

74-98-6 PROPANE:

PEL:

LONG-TERM VALUE: 1800 MG/M3, 1000 PPM

REL:  
LONG-TERM VALUE: 1800 MG/M3, 1000 PPM

TLV: REFER TO APPENDIX F INTLVS AND BEIS BOOK

106-97-8 BUTANE:

REL:  
LONG-TERM VALUE: 1900 MG/M3, 800 PPM

TLV:  
SHORT-TERM VALUE: 2370 MG/M3, 1000 PPM

INGREDIENTS WITH BIOLOGICAL LIMIT VALUES:

67-64-1 ACETONE:

BEI:  
50 MG/L  
MEDIUM: URINE  
TIME: END OF SHIFT  
PARAMETER: ACETONE (NONSPECIFIC)

ADDITIONAL INFORMATION:  
THE LISTS THAT WERE VALID DURING THE CREATION WERE USED AS BASIS.

EXPOSURE CONTROLS:

PERSONAL PROTECTIVE EQUIPMENT:

GENERAL PROTECTIVE AND HYGIENIC MEASURES:  
KEEP AWAY FROM FOODSTUFFS, BEVERAGES AND FEED.  
IMMEDIATELY REMOVE ALL SOILED AND CONTAMINATED CLOTHING.  
WASH HANDS BEFORE BREAKS AND AT THE END OF WORK.  
AVOID CONTACT WITH THE EYES.  
AVOID CONTACT WITH THE EYES AND SKIN.

BREATHING EQUIPMENT:  
IN CASE OF BRIEF EXPOSURE OR LOW POLLUTION USE RESPIRATORY FILTER DEVICE.  
IN CASE OF INTENSIVE OR LONGER EXPOSURE USE RESPIRATORY PROTECTIVE DEVICE  
THAT IS INDEPENDENT OF CIRCULATING AIR.

PROTECTION OF HANDS: PROTECTIVE GLOVES

THE GLOVE MATERIAL HAS TO BE IMPERMEABLE AND RESISTANT TO THE PRODUCT/THE  
SUBSTANCE/THE PREPARATION.

DUE TO MISSING TESTS NO RECOMMENDATION TO THE GLOVE MATERIAL CAN BE GIVEN  
FOR THE PRODUCT/THE PREPARATION/THE CHEMICAL MIXTURE.

SELECTION OF THE GLOVE MATERIAL ON CONSIDERATION OF THE PENETRATION TIMES,  
RATES OF DIFFUSION AND THE DEGRADATION

MATERIAL OF GLOVES:  
THE SELECTION OF THE SUITABLE GLOVES DOES NOT ONLY DEPEND ON THE MATERIAL,  
BUT ALSO ON FURTHER MARKS OF QUALITY AND VARIES FROM MANUFACTURER TO

MANUFACTURER. AS THE PRODUCT IS A PREPARATION OF SEVERAL SUBSTANCES, THE RESISTANCE OF THE GLOVE MATERIAL CAN NOT BE CALCULATED IN ADVANCE AND HAS THEREFORE TO BE CHECKED PRIOR TO THE APPLICATION.

PENETRATION TIME OF GLOVE MATERIAL:  
THE EXACT BREAK THROUGH TIME HAS TO BE FOUND OUT BY THE MANUFACTURER OF THE PROTECTIVE GLOVES AND HAS TO BE OBSERVED.

EYE PROTECTION: TIGHTLY SEALED GOGGLES

## **9 PHYSICAL AND CHEMICAL PROPERTIES**

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INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

GENERAL INFORMATION:

APPEARANCE:

FORM: AEROSOL

COLOR: ACCORDING TO PRODUCT SPECIFICATION

ODOR: CHARACTERISTIC

ODOUR THRESHOLD: NOT DETERMINED.

PH-VALUE: NOT DETERMINED.

CHANGE IN CONDITION:

MELTING POINT/MELTING RANGE: UNDETERMINED.

BOILING POINT/BOILING RANGE: -44 DEG. C (-47 DEG. F)

FLASH POINT: <0 DEG. C (<32 DEG. F)

FLAMMABILITY (SOLID, GASEOUS): NOT APPLICABLE.

IGNITION TEMPERATURE: 460 DEG. C (860 DEG. F)

DECOMPOSITION TEMPERATURE: NOT DETERMINED.

AUTO IGNITING: PRODUCT IS NOT SELFIGNITING.

DANGER OF EXPLOSION:

PRODUCT IS NOT EXPLOSIVE. HOWEVER, FORMATION OF EXPLOSIVE AIR/VAPOR MIXTURES ARE POSSIBLE.

EXPLOSION LIMITS:

LOWER: 1.8 VOL %

UPPER: 13.0 VOL %

VAPOR PRESSURE AT 20 DEG. C (68 DEG. F): 3000 HPA (2250 MM Hg)

DENSITY: NOT DETERMINED.

RELATIVE DENSITY: NOT DETERMINED.

VAPOUR DENSITY: NOT DETERMINED.

EVAPORATION RATE: NOT APPLICABLE.

SOLUBILITY IN / MISCIBILITY WITH WATER: NOT MISCIBLE OR DIFFICULT TO MIX.

PARTITION COEFFICIENT (N-OCTANOL/WATER): NOT DETERMINED.

VISCOSITY:

DYNAMIC: NOT DETERMINED.

KINEMATIC: NOT DETERMINED.

SOLVENT CONTENT:

ORGANIC SOLVENTS: 57.3%

VOC CONTENT:

29.5%

295.1 G/L / 2.46 LB/GL

SOLIDS CONTENT: 6.3%

OTHER INFORMATION: NO FURTHER RELEVANT INFORMATION AVAILABLE.

## **10 STABILITY AND REACTIVITY**

REACTIVITY: NO FURTHER RELEVANT INFORMATION AVAILABLE.

CHEMICAL STABILITY:

THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED:

NO DECOMPOSITION IF USED ACCORDING TO SPECIFICATIONS.

POSSIBILITY OF HAZARDOUS REACTIONS: NO DANGEROUS REACTIONS KNOWN.

CONDITIONS TO AVOID: NO FURTHER RELEVANT INFORMATION AVAILABLE.

INCOMPATIBLE MATERIALS: NO FURTHER RELEVANT INFORMATION AVAILABLE.

HAZARDOUS DECOMPOSITION PRODUCTS:

NO DANGEROUS DECOMPOSITION PRODUCTS KNOWN.

## **11 TOXICOLOGICAL INFORMATION**

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

PRIMARY IRRITANT EFFECT:  
ON THE SKIN: NO IRRITANT EFFECT.  
ON THE EYE: IRRITATING EFFECT.

SENSITIZATION: SENSITIZATION POSSIBLE THROUGH SKIN CONTACT.

ADDITIONAL TOXICOLOGICAL INFORMATION:

THE PRODUCT SHOWS THE FOLLOWING DANGERS ACCORDING TO INTERNALLY APPROVED  
CALCULATION METHODS FOR PREPARATIONS: IRRITANT

CARCINOGENIC CATEGORIES:

IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER):

97-53-0 EUGENOL 3

91-64-5 COUMARIN 3

NTP (NATIONAL TOXICOLOGY PROGRAM): NONE OF THE INGREDIENTS IS LISTED.

OSHA-CA (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION):  
NONE OF THE INGREDIENTS IS LISTED.

## **12 ECOLOGICAL INFORMATION**

TOXICITY:

AQUATIC TOXICITY: NO FURTHER RELEVANT INFORMATION AVAILABLE.

PERSISTENCE AND DEGRADABILITY: NO FURTHER RELEVANT INFORMATION AVAILABLE.

BEHAVIOR IN ENVIRONMENTAL SYSTEMS:

BIOACCUMULATIVE POTENTIAL: NO FURTHER RELEVANT INFORMATION AVAILABLE.

MOBILITY IN SOIL: NO FURTHER RELEVANT INFORMATION AVAILABLE.

ADDITIONAL ECOLOGICAL INFORMATION:

GENERAL NOTES:

WATER HAZARD CLASS 1 (SELF-ASSESSMENT): SLIGHTLY HAZARDOUS FOR WATER

DO NOT ALLOW UNDILUTED PRODUCT OR LARGE QUANTITIES OF IT TO REACH GROUND  
WATER, WATER COURSE OR SEWAGE SYSTEM.

RESULTS OF PBT AND VPVB ASSESSMENT:

PBT: NOT APPLICABLE.

VPVB: NOT APPLICABLE.

OTHER ADVERSE EFFECTS: NO FURTHER RELEVANT INFORMATION AVAILABLE.

## **13 DISPOSAL CONSIDERATIONS**

WASTE TREATMENT METHODS:

RECOMMENDATION:

MUST NOT BE DISPOSED OF TOGETHER WITH HOUSEHOLD GARBAGE. DO NOT ALLOW PRODUCT TO REACH SEWAGE SYSTEM.

UNCLEANED PACKAGINGS:

RECOMMENDATION: DISPOSAL MUST BE MADE ACCORDING TO OFFICIAL REGULATIONS.

## **14 TRANSPORT INFORMATION**

UN-NUMBER:

DOT, IMDG, IATA: UN1950

UN PROPER SHIPPING NAME:

DOT: AEROSOLS, FLAMMABLE

IMDG: AEROSOLS

IATA: AEROSOLS, FLAMMABLE

TRANSPORT HAZARD CLASS(ES):

DOT: FLAMMABLE GAS, CLASS/DIVISION 2.1

CLASS: 2.1

LABEL: 2.1

LIMITED QUANTITIES (LQ): 1L

SHIPPING PACKING: 30 KG

LIMITED QUANTITY FOR PACKAGES NOT PREPARED FOR AIR TRANSPORT LTD. QTY.

IMDG, IATA: CLASS 2.1, FLAMMABLE GASES

CLASS: 2.1

LABEL: 2.1

LIMITED QUANTITIES (LQ): 1L

SHIPPING PACKING: 30 KG

LIMITED QUANTITY FOR PACKAGES NOT PREPARED FOR AIR TRANSPORT LTD. QTY.

PACKING GROUP:

DOT, IMDG, IATA: NOT REGULATED

ENVIRONMENTAL HAZARDS:

MARINE POLLUTANT: NO

SPECIAL PRECAUTIONS FOR USER:

WARNING: GASES

DANGER CODE (KEMLER):

EMS NUMBER: F-D, S-U

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:  
NOT APPLICABLE.

TRANSPORT/ADDITIONAL INFORMATION:

DOT:

QUANTITY LIMITATIONS:  
ON PASSENGER AIRCRAFT/RAIL: 75 KG  
ON CARGO AIRCRAFT ONLY: 150 KG

IMDG:

EXCEPTED QUANTITIES (EQ):  
CODE: E0  
NOT PERMITTED AS EXCEPTED QUANTITY

UN "MODEL REGULATION": UN 1950 AEROSOLS, 2.1

## 15 REGULATORY INFORMATION

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SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE  
SUBSTANCE OR MIXTURE:

SARA:

SECTION 355 (EXTREMELY HAZARDOUS SUBSTANCES):  
NONE OF THE INGREDIENTS IS LISTED.

SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS):  
NONE OF THE INGREDIENTS IS LISTED.

TSCA (TOXIC SUBSTANCES CONTROL ACT):

67-64-1	ACETONE
75-28-5	ISOBUTANE
74-98-6	PROPANE
25265-71-8	OXYDIPROPANOL
106-97-8	BUTANE
97-53-0	EUGENOL
91-64-5	COUMARIN
104-55-2	CINNAMAL
97-54-1	ISOEUGENOL

120-51-4 BENZYL BENZOATE  
100-51-6 BENZYL ALCOHOL  
104-54-1 CINNAMYL ALCOHOL  
106-24-1 GERANIOL  
5392-40-5 CITRAL

PROPOSITION 65:

CHEMICALS KNOWN TO CAUSE CANCER: NONE OF THE INGREDIENTS IS LISTED.

CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR FEMALES:  
NONE OF THE INGREDIENTS IS LISTED.

CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR MALES:  
NONE OF THE INGREDIENTS IS LISTED.

CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY:  
NONE OF THE INGREDIENTS IS LISTED.

CARCINOGENIC CATEGORIES:

EPA (ENVIRONMENTAL PROTECTION AGENCY):

67-64-1 ACETONE I

TLV (THRESHOLD LIMIT VALUE ESTABLISHED BY ACGIH):

67-64-1 ACETONE A4

NIOSH-CA (NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH):  
NONE OF THE INGREDIENTS IS LISTED.

GHS LABEL ELEMENTS:

THE PRODUCT IS CLASSIFIED AND LABELED ACCORDING TO THE GLOBALLY HARMONIZED SYSTEM (GHS).

HAZARD PICTOGRAMS:

GHS02: FLAME  
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GHS07: EXCLAMATION MARK

SIGNAL WORD: DANGER

HAZARD-DETERMINING COMPONENTS OF LABELING:

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HAZARD STATEMENTS:

EXTREMELY FLAMMABLE AEROSOL.  
CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.  
CAUSES SERIOUS EYE IRRITATION.

MAY CAUSE AN ALLERGIC SKIN REACTION.  
MAY CAUSE DROWSINESS OR DIZZINESS.

PRECAUTIONARY STATEMENTS:

KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. NO SMOKING.

DO NOT PIERCE OR BURN, EVEN AFTER USE.

DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE.

AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY

WEAR PROTECTIVE GLOVES.

WEAR EYE PROTECTION / FACE PROTECTION.

WASH THOROUGHLY AFTER HANDLING.

USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.

CONTAMINATED WORK CLOTHING MUST NOT BE ALLOWED OUT OF THE WORKPLACE.

IF IN EYES:

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

CONTINUE RINSING.

SPECIFIC TREATMENT (SEE ON THIS LABEL).

IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

CALL A POISON CENTER/DOCTOR IF YOU FEEL UNWELL.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

IF ON SKIN: WASH WITH PLENTY OF WATER.

STORE LOCKED UP.

PROTECT FROM SUNLIGHT. STORE IN A WELL-VENTILATED PLACE.

PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/122 DEG. F.

STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS.

CHEMICAL SAFETY ASSESSMENT:

A CHEMICAL SAFETY ASSESSMENT HAS NOT BEEN CARRIED OUT.

## 16 OTHER INFORMATION

THIS INFORMATION IS BASED ON OUR PRESENT KNOWLEDGE. HOWEVER, THIS SHALL NOT CONSTITUTE A GUARANTEE FOR ANY SPECIFIC PRODUCT FEATURES AND SHALL NOT ESTABLISH A LEGALLY VALID CONTRACTUAL RELATIONSHIP.

DEPARTMENT ISSUING SDS: GRAINGER TECHNICAL SUPPORT

CONTACT: GRAINGER TECHNICAL SUPPORT

DATE OF PREPARATION / LAST REVISION: 01/22/2016 / -

ABBREVIATIONS AND ACRONYMS:

ADR:

ACCORD EUROPEEN SUR LE TRANSPORT DES MARCHANDISES DANGEREUSES PAR ROUTE (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD)

IMDG: INTERNATIONAL MARITIME CODE FOR DANGEROUS GOODS

DOT: US DEPARTMENT OF TRANSPORTATION

IATA: INTERNATIONAL AIR TRANSPORT ASSOCIATION

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

EINECS: EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES

ELINCS: EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES

CAS: CHEMICAL ABSTRACTS SERVICE (DIVISION OF THE AMERICAN CHEMICAL SOCIETY)

NFPA: NATIONAL FIRE PROTECTION ASSOCIATION (USA)

HMIS: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (USA)

VOC: VOLATILE ORGANIC COMPOUNDS (USA, EU)

PBT: PERSISTENT, BIOACCUMULATIVE AND TOXIC

VPVB: VERY PERSISTENT AND VERY BIOACCUMULATIVE

FLAM. AEROSOL 1: FLAMMABLE AEROSOLS, HAZARD CATEGORY 1

PRESS. GAS:

GASES UNDER PRESSURE: COMPRESSED GAS

EYE IRRIT. 2A: SERIOUS EYE DAMAGE/EYE IRRITATION, HAZARD CATEGORY 2A

SKIN SENS. 1: SENSITIZATION - SKIN, HAZARD CATEGORY 1

STOT SE 3:

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE, HAZARD CATEGORY 3

\* DATA COMPARED TO THE PREVIOUS VERSION ALTERED.

US