



# MATERIAL SAFETY DATA SHEET

CUSTOMER NAME: ZOONO  
PRODUCT NAME: ZOONO Z-71 MICROBE SHIELD  
FORMULA #: 90023-01

Page 2 of 6

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## SECTION 5 : SPILL OR LEAKAGE PROCEDURES

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Cleanup of spills or accidental release of material:  
Flush with water or soak up with suitable absorbent.

Waste Disposal Methods :  
Incineration or sanitary landfill in accordance with local, state and federal regulations and consistent with good ecological practices.

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## SECTION 6 : SPECIAL PROTECTION INFORMATION

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Respiratory: Use NIOSH/MSHA Approved Respirator if TLV is exceeded  
Ventilation: General Mechanical  
Protective Gloves: Volatile Resistant if skin contact is anticipated  
Eye Protection: Splash proof goggles if handling methods warrant them.  
Other Protective Equipment: None Required

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## SECTION 7 : EMERGENCY AND FIRST AID PROCEDURES

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Eye (contact): In the event of accidental contact with eyes, Product is slightly irritating to the eyes. If necessary irrigate with copious amounts of water; if any irritation is exhibited obtain medical advice.

Skin (contact): Remove contaminated clothing. If desired flush exposed areas with copious amounts of water. Product is NON-IRRITATING to skin.

Ingestion : In the event of accidental ingestion rinse the mouth with water. Give up to one tumbler (half pint) of milk or water. Obtain medical advice immediately.

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## SECTION 8: EXPOSURE DATA

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Primary route of exposure: Skin Contact & Possible Inhalation

The approximated vapor pressure of the mixture is sufficiently high enough to be a significant route of exposure.

OSHA PEL : Not Determined  
ACGIH TLV : Not Determined

Material is not found on any known list of carcinogen such as NTP, IARC or by OSHA nor does it contain any carcinogens found in these lists.

The above information may be based in part on information provided by component suppliers and is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is express or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we assume no responsibility for the result of its use. This information and material furnished on the condition that the person receiving it shall make his/her own determination as to the suitability of the material for his/her particular purpose and on the condition that he/she assume the risk of his/her use thereof.

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FORMULA #: 90023-01

Page 3 of 6

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SECTION 9 : HEALTH HAZARDS  
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The identity of the individual percentages of this mixture is proprietary information and is regarded to be a TRADE SECRET.  
In accordance with 29 CFR 1910.1200 we have to assume that the mixture presents the same health hazards as the individual components when they are present at greater than 10% concentration.

Finally, it should be not be assumed that the safety information presented in this section has been obtained from any particular ingredient supplier. Even in those cases where only one supplier for the ingredient is used, the safety information may be from a different source.

REPEATED DAILY DOSES ORALLY SHOWED MINIMAL DAMAGE TO NERVOUS SYSTEM.

PROLONGED SKIN CONTACT WILL NOT CAUSE SKIN RASH AND IRRITATION.

REPEATED DAILY ORAL DOSING OF LARGE AMOUNTS CAUSED MINIMAL LIVER DAMAGE.

SKIN CONTACT AT FULL STRENGTH WILL CAUSE MINOR EYE IRRITATION.

REPEATED DAILY APPLICATION TO SKIN OF CAUSED NO REPRODUCTIVE EFFECTS.

The following effects were concluded as a result of human testing and observation of one or more of the individual components.

LIQUID HAS SLIGHT IRRITATION TO THE EYES.

LIQUID HAS MINIMAL IRRITATION TO THE SKIN.

BOILING VAPOR IS MILDLY IRRITATING TO THE THROAT AND LUNGS.

BREATHING HIGH CONCENTRATION OF BOILING VAPOR WILL CAUSE NO ANESTHETIC EFFECTS.

LONG TERM IMMERSION CAUSED NO ALLERGIC DERMATITIS.

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FORMULA #: 90023-01

Page 4 of 6

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## SECTION 10: STABILITY AND REACTIVITY

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Conditions to Avoid: No Applicable information has been found

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## SECTION 11: TOXICOLOGICAL INFORMATION

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This is a personal care product that is safe for consumer and other users under intended and reasonable use.

Chronic Effects: Finished product is not expected to have chronic health effects

Target Organs: No adverse health effects on target organs expected for finished product

Carcinogenicity: Finished product is not expected to be carcinogenic  
NTP: No IARC: No OSHA: No

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## SECTION 12: ECOLOGICAL INFORMATION

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The product ingredients are expected to be safe for the environment at concentration predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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Disposal should be in accordance with Federal, State/Provincial and Local regulations.

For Household settings: The following instructions are for consumer usage only.  
Do not discharge product into natural water without pre-treatment or adequate dilution

For Non-Household Settings: Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste according to the Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

California Waste Code: 331

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FORMULA #: 90023-01

Page 5 of 6

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## SECTION 14: TRANSPORTATION INFORMATION

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Finished packaged product transported by ground (DOT): Non hazardous

Finished packaged product transported by vessel (IMDG): Non hazardous

Finished packaged product transported by air (IATA): Non hazardous

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## SECTION 15: ADDITIONAL REGULATORY INFORMATION

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EU DPD (Dangerous Products Derivative) Classification (DPD 88/379/EEC).

Regulated as a Cosmetic and/or Drug under FDA (US), HPB (Canada), Cosmetic Directive, (EU), MHW (Japan) and MOH (China)

### US Federal

The product described in this Material Safety Data Sheet is regulated under the Federal Food, Drug & Cosmetic Act and is safe to use per directions on container, box or accompanying literature (where applicable).

### US State

CA Prop 65:

This product is not subject to warning labeling under California Proposition 65

### Other

Perfumes contained within the products covered by this MSDS comply with the appropriate IFRA guidance.

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## SECTION 16: ADDITIONAL REGULATORY INFORMATION

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DISCLAIMER: This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by us to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design and the appropriate protective mechanisms to prevent employee exposure, property damage or release to the environment. Zoono Group assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

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Page 6 of 6

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SECTION 17: OTHER INFORMATION  
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HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0  
PERSONAL PROTECTION EQUIPMENT: Gloves and Safety Glasses

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:

HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0

ABBREVIATIONS:

NA	Not Applicable	ND	Not Determined
NE	Not Established		
pm	Part per million	G	Gallon
mg	Milligram	L	Liter
gm	Gram	mol	Mole
kg	Kilogram	u	Micro
Pa	Pascals	p	Pico
LC	Lethal Concentration	LD	Lethal Dose
TC	Toxic Concentration	TD	Toxic Dose
BOD	Biological Oxygen Demand	COD	Chemical Oxygen Demand
T <sub>Lm</sub>	Threshold Limit		
DOC	Dissolved Organic Carbon		
H	Hours	M	Months
D	Days	Y	Years
W	Weeks		
ACGIH	American Conference of Governmental Industrial Hygienist		
CPR	Controlled Product's Regulation		
DSL	Canadian Domestic Substances List		
NDSL	Canadian Non-Domestic Substance List		
IARC	International Agency for Research for Cancer		
NOEL	No Observed Effect Level		
NOAEL	No Observed Adverse Effect Level		
OSHA	Occupational Safety and Health Administration		
PEL	Permissible Exposure Limit		
TLV	Threshold Limit Value		

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