



ZEP MANUFACTURING COMPANY
Acuity Specialty Products Group, Inc.
P.O. BOX 2015
ATLANTA, GA 30301
1- 877- I - BUY- ZEP

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name CONCENTRATED SMOKESCREEN
DEODORIZER
Product Use Liquid Room Deodorant
Product Code 3340
Date of issue 08/19/03 **Supersedes** 10/08/01

Emergency Telephone Numbers **For MSDS Information:**
Acuity Specialty Products Group, Inc.
Compliance Services 1-877-I-BUY-ZEP

For Medical Emergency:
INFOTRAC
(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

Printing date: 08/22/03

Prepared by Compliance Services Group
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
QUATERNARY AMMONIUM CHLORIDES; blend of alkyl dimethylbenzyl ammonium chlorides, alkyl dimethyl ethylbenzyl ammonium chlorides, and ethanol	68391-01-5; 68956-79-6	<5	ACGIH TLV (United States). TWA: 1000 ppm OSHA PEL (United States). TWA: 1900 mg/m ³
ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol	67-63-0	10-20	ACGIH TLV (United States). TWA: 200 ppm OSHA PEL (United States). TWA: 400 ppm ACGIH/OSHA (United States). STEL: 400 ppm

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Eye contact. Inhalation.
Skin Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. May cause slight transient irritation.
Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching. Liquid in eye may cause irritation with possible damage if not rinsed immediately.
Inhalation Hazardous in case of inhalation. Over-exposure by inhalation may cause respiratory irritation. Can cause dizziness, lightheadedness, headache, nausea, and blurred vision.
Ingestion No data on acute toxicity of the product when ingested.

HMIS	
Health	2
Fire Hazard	3
Reactivity	0
Personal Protection	B

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin Contact Wash affected area with soap or mild detergent and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In all cases of doubt, or when symptoms persist, seek medical attention.
Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point CLOSED CUP: 27.8°C (82°F). **Flammable Limits** LOWER: 2% UPPER: 12%
(Tagliabue.)

Flammability Flammable in presence of open flames, sparks and static discharge.

Fire Hazard Vapor may cause flash fire. Flammable liquid and vapor.

Fire-Fighting Procedures Use DRY chemicals, CO₂, alcohol foam. Cool closed containers exposed to fire with water. Fire fighters should wear proper protective equipment.



Section 6. Accidental Release Measures

Spill Clean up Eliminate all ignition sources. Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. To clean the floor and all objects contaminated by this material, use detergent. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling Keep away from sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Wash contaminated clothing before reusing. Wash thoroughly after handling.

Storage Store and use away from heat, sparks, open flame, or any other ignition source. Keep container tightly closed and dry. Store between 40°F - 120°F (4.4°C - 49°C). Keep away from food, drink and animal feedings. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection****Protective Clothing (Pictograms)**

Eyes Safety glasses.

Body Wear suitable gloves. Recommended: Neoprene gloves. Rubber gloves. Nitrile gloves.



Respiratory Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

Section 9. Physical and Chemical Properties

Physical State Liquid.

Color Colorless.

pH 8.0-9.0

Odor Pleasant.

Boiling Point 85°C (185°F)

Vapor Pressure Not determined.

Specific Gravity 0.97 (Water = 1)

Vapor Density Not determined.

Solubility Easily soluble in cold water.

Evaporation Rate 1 compared to Water

VOC (Consumer) 364 (g/l). (37.6%)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Avoid contact with strong oxidizers, excessive heat, sparks or open flame.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Carbon Oxides (CO, CO₂)

Section 11. Toxicological Information**Toxicity to Animals****Quaternary Ammonium Chlorides:**

ORAL (LD50): Acute: 250 mg/kg [Rat].

Isopropyl Alcohol:

ORAL (LD50): Acute: 5045 mg/kg [Rat].

Section 12. Ecological Information

Ecotoxicity Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Code: - (None.)

Classification: - (Non-hazardous waste)

Origin: - (Hazardous Waste Regulation)

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name None.

DOT Classification Not a DOT controlled material (United States).

UN number

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

State Regulations

California prop. 65: No products were found.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

PRODUCT NAME: HW GRAY W/B ENAMEL
PRODUCT CODE: 146-A-72-AHMIS® CODES: H F R
1 1 0

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: National Coatings, Inc
ADDRESS : 604 Hwy 150 East
Galesburg, Il. 61402EMERGENCY PHONE : 800-535-5053 DATE PRINTED : 11/15/2011
INFORMATION PHONE : 309-342-4184 NAME OF PREPARER : NCI

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	WEIGHT PERCENT
WATER	7732-18-5	45.1
ACGIH TLV-TWA:NONE		
ACGIH STEL: NONE		
PROPYLENE GLYCOL METHYL ETHER	107-98-2	4.0
ACGIH TLV-TWA:100 ppm		
ACGIH STEL: NO INFO		
ETHYLENE GLYCOL BUTYL ETHER	111-76-2	2.3
ACGIH TLV-TWA:20 ppm		
ACGIH STEL: NO INFO		
OSHA PEL: 50 ppm		
ISOPROPYL ALCOHOL	67-63-0	1.0
ACGIH TLV-TWA:400 PPM		
ACGIH STEL: 500 PPM		

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 180 - 181 - 999	SPECIFIC GRAVITY (H2O=1): 1.1774
VAPOR DENSITY:	EVAPORATION RATE: INFORMATION NOT AVAILABLE.
VOC (EXCLUDING EXEMPT): 2.421 lb/gl	VOC (INCLUDING EXEMPT): 1.13 lb/gl
SOLUBILITY IN WATER:	APPEARANCE AND ODOR:

===== SECTION IV - FIRST AID MEASURES =====

EYE CONTACT:
FLUSH WITH CLEAN, LUKEWARM WATER FOR AT LEAST 15 MINUTES. OCCASIONALLY LIFTING THE EYELIDS. OBTAIN MEDICAL ATTENTION.SKIN CONTACT:
REMOVE CONTAMINATED CLOTHING, WASH AFFECTED SKIN AREAS THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE RE-USE.



INHALATION:

MOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION OR ADMINISTER OXYGEN, IF NECESSARY. CALL A PHYSICIAN IMMEDIATELY.

INGESTION:

IMMEDIATELY GIVE TWO GLASSES OF WATER AND INDUCE VOMITING EITHER BY GIVING IPECAC SYRUP OR BY PLACING FINGER AT BACK OF THROAT. NEVER ADMINISTER ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET IMMEDIATE MEDICAL ATTENTION.

===== SECTION V Fire Fighting Measure =====

FLASHPOINT (SETAFLASH CLOSED CUP): 230F

LEL (%): 1.1

UEL (%): 12

SPECIAL FIREFIGHTING PROCEDURES:

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIREFIGHTERS. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

USUAL FIRE AND EXPLOSIVE HAZARDS:

COMBUSTIBLE LIQUID. CAN FORM EXPLOSIVE MIXTURES AT TEMPERATURES AT OR ABOVE THE FLASHPOINT. THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIREFIGHTERS. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

EXTINUISHING MEDIA: CO2, DRY CHEMICAL, FOAM

===== SECTION VI - REACTIVITY DATA =====

STABILITY:

PROTECT AGAINST PHYSICAL DAMAGE. OUTSIDE OR DETACHED STORAGE PREFERRED. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME. CLOSE CONTAINERS AFTER EACH USE.

INCOMPATIBILITY:

INCOMPATIBLE WITH NON-WATER SOLUBLE SOLVENTS.

HAZARDOUS DECOMPOSITION:

IF THERMAL DECOMPOSITION OCCURS IT MAY YIELD CARBON DIOXIDE AND/OR CARBON MONOXIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

===== SECTION VII - HEALTH HAZARD DATA =====

OVERVIEW:

MAY BE IRRITATING IF SWALLOWED, INHALED, ABSORBED THROUGH THE SKIN, ON CONTACT, WEAR IMPERVIOUS CLOTHING, BOOTS, AND PROTECTIVE CREAM IF NECESSARY.



HALATION:

EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, AND HEADACHE. HIGH CONCENTRATIONS MAY RESULT IN NARCOSIS.

SKIN/EYE CONTACT:

SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION.

SKIN ABSORBATION:

SLIGHT IRRITATION, PROLONGED OR REPEATED EXPOSURE CAN CAUSE DERMATITIS. REPEATED EXPOSURE TO HIGH CONCENTRATION THROUGH ABSORPTION MAY CAUSE INJURY TO BONE MARROW AND BLOOD CELLS, KIDNEY, LIVER AND TESTES.

INGESTION:

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

ACUTE AND CHRONIC HAZARDS:

THIS MATERIAL MAY AGGRAVATE AN EXISTING DERMATITIS. BREATHING OF VAPOR AND/OR MIST MAY AGGRAVATE ASTHMA AND INFLAMMATORY FIBROSIS PULMONARY DISEASE.

===== SECTION VIII - SAFE HANDLING =====

ILLS:

ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER. AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO WATERWAYS. WEAR A SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PROTECTIVE EQUIPMENT.

WASTE DISPOSAL:

WASTE MATERIALS MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATORY CONTROLS. WE RECOMMEND THAT CONTAINERS BE EITHER PROFESSIONALLY RECONDITIONED FOR REUSE BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY CERTIFIED FIRMS TO HELP REDUCE THE POSSIBILITY OF AN ACCIDENT.

HANDLING:

WASH THOROUGHLY AFTER HANDLING. ALL EQUIPMENT SHOULD BE GROUNDED AND BONDED TO REDUCE STATIC ELECTRICITY HAZARD. USE NON-SPARKING TOOLS.

STORAGE:

DRUMS: STORAGE ABOVE 32 DEGREES FAHRENHEIT IS PREFERRED. KEEP MATERIAL FROM FREEZING. ALTHOUGH THIS MATERIAL IS COMBUSTIBLE WITH A FLASH POINT ABOVE 100 AND BELOW 200 DEGREES FAHRENHEIT, VAPORS CAN COLLECT ABOVE THE LIQUID IN CLOSED CONTAINERS. PROTECT AGAINST PHYSICAL DAMAGE. CLOSE CONTAINERS AFTER EACH USE. ISOLATE CONTAINERS FROM EXTREME HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAMES. CLOSED CONTAINERS MAY RUPTURE (DUE TO BUILD-UP OF PRESSURE) WHEN EXPOSED TO EXTREME HEAT.

BULK: STORAGE SHOULD BE IN STANDARD BULK LIQUID STORAGE TANKS ABOVE 32 DEGREES FAHRENHEIT. KEEP MATERIAL FROM FREEZING, ALTHOUGH THIS MATERIAL IS COMBUSTABLE WITH FLASH POINT ABOVE 100 AND BELOW 200 DEGREES FAHRENHEIT, VAPORS CAN COLLECT ABOVE THE LIQUID IN CLOSED STORAGE VESSELS. STORAGE TANKS SHOULD BE ISOLATED



FROM EXTREME HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAMES.

OTHER:

===== SECTION IX - CONTROL MEASURES =====

RESPIRATORY:

LOCAL EXHAUST MUST BE SUFFICIENT TO KEEP AIRBORNE VAPOR CONCENTRATIONS BELOW THE TLV LIMIT. EXHAUST AIR MAY NEED TO BE CLEANED BY SCRUBBERS OR FILTERS TO REDUCE ENVIRONMENTAL CONTAMINATION.

VENTILATION:

LOCAL EXHAUST VENTILATION MAY BE NECESSARY TO CONTROL ANY AIR CONTAMINANTS TO WITHIN THEIR TLV'S DURING USE OF THIS PRODUCT.

GLOVES:

BUTYL RUBBER

EYE PROTECTION:

SAFETY GLASSES WITH SIDE SHIELDS

OTHER:

EYE BATH AND SAFETY SHOWER. TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR PERVIOUS CLOTHING, BOOTS, AND PROTECTIVE CREAM IF NECESSARY.

WORK AND HYGENIE PRACTICES:

WASH HANDS BEFORE EATING, SMOKING, BREAKS, OR USING RESTROOM.

=====SECTION X - TOXICOLOGICAL PROPERTIES=====

NO INFORMATION AVAILABLE

=====SECTION XI - ECOLOGICAL INFORMATION =====

NO INFORMATION AVAILABLE

=====SECTION XII - TRANSPORTATION INFORMATION =====

NO TRANSPORTATION INFORMATION IS AVAILABLE

=====SECTION XIII - REGULATORY INFORMATION =====

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29CFR1910.1200)

RCRA - SARA HAZARD CATEGORY:

THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO EPA 'HAZARD CATEGORIES' PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITION, TO MEET THE FOLLOWING CATERGORIES:

NONE



RA SECTION 313:

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

CHEMICAL NAME	CAS NUMBER	WT PERCENT
ETHYLENE GLYCOL BUTYL ETHER	111-76-2	2.3

TOXIC SUBSTANCES CONTROL ACT:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF TSCA 12(B) IF EXPORTING FROM THE UNITED STATES:

*** NO REPORTABLE QUANTITIES ARE PRESENT ***

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATION EXCEPT FOR USE OF THE 16 HEADINGS.

CANADIAN WHMIS CLASS: NO INFORMATION AVAILABLE

=====SECTION XIV - OTHER INFORMATION=====

DISCLAIMER:

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