Material Safety Data Sheet
and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Information
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

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

Printing date: 08/22/03

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; 68966-79-6 | <5 | ACGIH TLV (United States), TWA: 1000 ppm
OSHA PEL (United States), TWA: 1900 mg/m³
ACGIH TLV (United States), TWA: 200 ppm
OSHA PEL (United States), TWA: 400 ppm
ACGIH/OSHA (United States), STEL: 400 ppm

ISOPROPYL ALCOHOL; ipa; dimethy carbino; 2-propanol | 67-63-0 | 10-20 |

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.

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, move 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).
Flammability: Flammable in presence of open flames, sparks and static discharge.
Fire Hazard: Vapor may cause flash fire. Flammable liquid and vapor.

Flammable Limits: LOWER: 2% UPPER: 12%

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 feedingstuffs. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection
Eyes
Safety glasses.
Body
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.
pH
8.0-9.0
Boiling Point
85°C (185°F)
Specific Gravity
0.97 (Water = 1)
Solubility
Easily soluble in cold water.

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

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: National Coatings, Inc
ADDRESS: 604 Hwy 150 East
Galesburg, Il. 61402

INFORMATION PHONE : 309-342-4184 NAME OF PREPARER : NCI

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS

<table>
<thead>
<tr>
<th>Reportable Component</th>
<th>CAS Number</th>
<th>Weight Percent</th>
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<tbody>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>45.1</td>
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<tr>
<td>ACGIH TLV-TWA: NONE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH STEL: NONE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROPYLENE GLYCOL METHYL ETHER</td>
<td>107-98-2</td>
<td>4.0</td>
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<tr>
<td>ACGIH TLV-TWA: 100 ppm</td>
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</tr>
<tr>
<td>ACGIH STEL: NO INFO</td>
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<td></td>
</tr>
<tr>
<td>ETHYLENE GLYCOL BUTYL ETHER</td>
<td>111-76-2</td>
<td>2.3</td>
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<tr>
<td>ACGIH TLV-TWA: 20 ppm</td>
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<td></td>
</tr>
<tr>
<td>ACGIH STEL: NO INFO</td>
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<td></td>
</tr>
<tr>
<td>OSHA PEL: 50 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>67-63-0</td>
<td>1.0</td>
</tr>
<tr>
<td>ACGIH TLV-TWA: 400 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH STEL: 500 PPM</td>
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</tr>
</tbody>
</table>

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 180 - 181 - 999
VAPOR DENSITY:
SPECIFIC GRAVITY (H2O=1): 1.1774
EVAPORATION RATE: INFORMATION NOT AVAILABLE.

VOC (EXCLUDING EXEMPT): 2.421 lb/gl
SOLUBILITY IN WATER:
VOC (INCLUDING EXEMPT): 1.13 lb/gl
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.

IN CONTACT: REMOVE CONTAMINATED CLOTHING, WASH AFFECTED SKIN AREAS THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE RE-USE.
HALATION:
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 IFECAC 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.

EXTINNUISHING 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 ABSORPTION:
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 JAMES. 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 PERVERS CLOTHING, BOOTS, AND PROTECTIVE CREAM IF NECESSARY.

WORK AND HYGIENE 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)

RCLA - SARA HAZARD CATEGORY:
THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO EPA 'HAZARD CATEGORIES' PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPREFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITION, TO MEET THE FOLLOWING CATEGORIES:
NONE
THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.