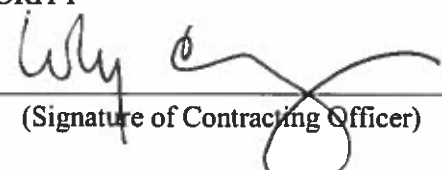


**WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
SUPPLY AND SERVICE CONTRACT CQI16010**



**WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
600 Fifth Street, NW, Washington, DC 20001-2651  
AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT**

1. AMENDMENT/MODIFICATION A001	2 July 24, 2015
3. ISSUED BY PURCHASING SECTION Office of Procurement and Materials Lily Cheung, Procurement Manager 600 Fifth Street, NW Washington, DC 20001	4. ADMINISTERED BY  Same as block 3.
5. CONTRACTOR NAME AND ADDRESS	6. FORM TYPE (Check only one) <input checked="" type="checkbox"/> AMENDMENT OF SOLICITATION NO CQI16010 DATED <u>July 8, 2015</u> (see block 7)
<p align="center"><b>7. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS</b></p> <p><input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in block 10. The hour and date specified for receipt of Offers <u>    </u> is extended,  <input checked="" type="checkbox"/> is not extended. Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as amended, by one of the following methods; (a) By signing and returning <u>two</u> copies of this amendment; (b) by acknowledging receipt of this amendment on each copy of the offer submitted; or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. <b>FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.</b> If, by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>	
8. ACCOUNTING AND APPROPRIATION DATA (If required)	
9. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS	
<p>10. DESCRIPTION OF AMENDMENT/MODIFICATION</p> <p>A. Solicitation CQI16010 is amended to incorporate Appendix A Questions and Answers.</p> <p>Except as provided herein, all terms and conditions of the document referenced in block 10, as heretofore changed, remain unchanged and in full force and effect.</p>	
11. CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS MODIFICATION AND RETURN TO ISSUING OFFICE.	<input type="checkbox"/> CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT
12. NAME OF CONTRACTOR/OFFICE  BY _____ (Signature of person authorized to sign)	15. WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  BY  (Signature of Contracting Officer)

Appendix A  
Questions and Answers  
CQI16010

1) Can you kindly advise if this solicitation will be awarded by line item?

Answer: We will evaluate each line item and award by line item.

2) Regarding line item #063000808, can you please advise what glove is currently being supplied? What price?

Answer: The weight of the glove is not available. The long description is:

POWDER-FREE, NITRILE GLOVES FOR TECHNICIANS THAT ARE ALLERGIC TO BOTH.  
1 BX = 1 BOX of 50 GLOVES

You can request for last paid price for a specific WMATA part # by following our PARP process, see below for policy and procedure:

WMATA Public Access to Records Policy (PARP) can be found in the link below:

[http://www.wmata.com/about\\_metro/docs/pi\\_9\\_3\\_1.pdf](http://www.wmata.com/about_metro/docs/pi_9_3_1.pdf)

3) Just a question for Lines 921720007, VE921490001, VE921490002, VE921550005, VE921550009, VE921550010, VE921550011, VE921720007:

The descriptions on these say "On WMATA Supplied Shoes", does this mean there will be pick up of these parts and labor involved? If so, would we be able to quote new Linings instead?

Answer: These items have been removed from solicitation. 8) Price Sheet Amendment 1 contains a tab identifying items that are removed from the solicitation.

4) Can you give me the last price paid, date, and quantity purchased on these items plus an SDS on the Roach Killer, Wax, and Cleaner?

#18 063000808 Nitrile Gloves

#29 067000294 Roach Killer

#31 067000672 White Wiper Rags

#32 067000683 Rubbermaid trash liners

#36 067000823 Quantum Wax

#413 R79300132 Cleaner Degreaser

See Answer # 2 regarding last price paid, date and quantity purchased. SDS are in attached folder for Roach Killer, Quantum Wax and Cleaner Degreaser. Please note, Roach Killer contains 2 approved SDS.

5) Please clarify items below:

Answer:

WMATA Item	Item Description	WMATA answer
065001077	BUCKET: USE: RECYCLED BATTERIES, MATERIAL: PLASTIC, COLOR: WHITE	size unknown BUCKET: USE: RECYCLED BATTERIES, MATERIAL: PLASTIC, COLOR: WHITE; see attached picture
067000208	BUCKET: USE: MOP AND WRINGER, MATERIAL: PLASTIC, COLOR: YELLOW	WRINGER, MOP, DOWN-PRESS 11 GAL BUCKET 50 MAX STORAGE SPACE; see attached picture
R38302086	GREASE, INDUSTRIAL: MULTIPURPOSE, TEXT: MOBIL XHP-222	GREASE, MOBIL XHP-222 MULTIPURPOSE, FUJITEC; 14.1 oz tubes
R38100238	LUBRICANT: HYDRAULIC OIL	5 GAL PAIL, TEXT: VITALUBE, L.T, FREEZE" 50 AT ALL TIMES RIEGLE 4/ (MSDS 2725/2759/2879/2886) MID ATLANTIC/FUCHS DEALER - LUBRICANT, HYDRAULIC OIL, L.T. (5 GAL PAIL), P/N 65031400026. "FREEZE" 50 AT ALL TIMES RIEGLE 4/ (MSDS 2725/2759/2879/2886) FUCHS DEALER

6) Please provide drawings for the following items:

032000125  
841550005  
906390254  
906550048  
906550110  
906550240  
921560019

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
SUPPLY AND SERVICE CONTRACT CQI16010

921560020  
921700010  
921700014  
953720002  
955660035  
965550003  
969570003  
971550141  
972550340  
972560243  
972580503  
R60330088  
R95150065

Answer: There are no drawings available for these items.

7) WMATA Item 853700001 minimum guarantee quantity changed from 2008 to 2004. This is updated under Price Sheet Amendment 1

853700001	FILTER,OIL-STX:ENGINE,SPIN-ON,Largest OD=4.68",Overall Height=11.88",Thread Size:2-1/4 - 12UNS-2B,FITS NEW FLYER CNG BUSES,CERTIFICATION VMI, TEXT:6/CASE	2004	EA
-----------	--	------	----

**END OF AMENDMENT A001**

Item #065001077 :

065001077 BUCKET: USE: RECYCLED BATTERIES, MATERIAL: PLASTIC, COLOR: WHITE



Item #067000208

WRINGER, MOP, DOWN-PRESS 11 GAL BUCKET

50 MAX STORAGE SPACE





# APPROVED

**Product Name: Febreze Professional  
Fabric Refresher Deep P. RTU**



Product: Febreze  
Professional  
Fabric Refresher De  
ep P. RTU  
SDS No.: 14079

**Date: 6/3/2015**

## SECTION 1 - Contact Information

Contact Name	Michaela Mueller Fokken
Contact Phone	301 618 1156
Email Address	mmueller-fokken@wmata.com
Department / Office	SAFE-EMIH
Date	06/03/2015

## SECTION 2 - Product Information

Product Name	Febreze Professional Fabric Refresher Deep P. RTU
Manufacturer Name	Procter and Gamble Professional
Manufacturer Web Address	
Vendor Name	
Physical State of Material	Liquid
Pressurized Container	No
Product Category	Cleaning Chemical (Custodial)
Container Size	
Quantity use	
What is the product needed for (purpose) and how is it applied?	On buses, vehicles, trains, and in offices.
Location of Product Use	ADMINISTRATIVE/OFFICE FACILITY RAIL YARD BUS FACILITY SUPPORT FACILITY
Location of Product Storage	SUPPORT FACILITY RAIL YARD BUS FACILITY ADMINISTRATIVE/OFFICE FACILITY

**SECTION 3 - Material Status**

Stock	Yes
Credit Card	No
Comments	Stock No. R79300132

**SECTION 4 - Hazards**

Primary Hazard Label	None
----------------------	------

Secondary Hazard Label	None
------------------------	------

Primary Precaution	None
Secondary Precaution	None
Signal Word	None
NFPA- Health: 2 Fire: 2 Reactive: 0 Special:	

**SECTION 5 - Comments**

General Comments	Follow all SDS/product label directions.
------------------	--

Special Comments	<b>COMBUSTIBLE. ENSURE ADEQUATE VENTILATION.</b>
------------------	--

PPE Storage	Keep in tightly closed and properly labeled container. Store in dry, cool, and well-ventilated area.
-------------	--

Environmental Statement	<b>METRO: ALL SPILLS MUST BE CONTAINED TO THE EXTENT POSSIBLE AND IMMEDIATELY REPORTED TO MOC AT (202) 962-1530. The Supervisor is responsible for using this product as intended, informing workers of the hazards associated with using this product, and using the correct Personal Protective Equipment (PPE) required to protect the employee against chemical and physical exposure. All users of this product must read this Evaluation and the MSDS for this product prior to use and follow all instructions and precautions. Proper</b>
-------------------------	---

**disposal of this product is required.  
Contact EMIH for disposal of bulk, unused  
or off-spec product.**

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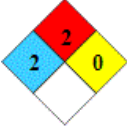


WMATA SDS Number: 14079  
**Febreze Professional Fabric Refresher Deep P. RTU**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refere to the WMATA Approved SDS.




WMATA SDS Number: 14079  
**Febreze Professional Fabric Refresher Deep P. RTU**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refere to the WMATA Approved SDS.

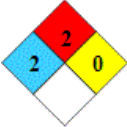


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**Febreze Professional Fabric Refresher Deep P. RTU**

Signal Word:None  
Primary Hazard Statement:  
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Primary Precautionary Statement:  
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WMATA SDS Number: 14079  
**Febreze Professional Fabric Refresher Deep P. RTU**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refere to the WMATA Approved SDS.

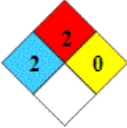


WMATA SDS Number: 14079  
**Febreze Professional Fabric Refresher Deep P. RTU**

Signal Word:None  
Primary Hazard Statement:  
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Primary Precautionary Statement:  
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WMATA SDS Number: 14079  
**Febreze Professional Fabric Refresher Deep P. RTU**

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Primary Hazard Statement:  
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Primary Precautionary Statement:  
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NOTE: For a complete list of Hazard and Precautionary Statements Refere to the WMATA Approved SDS.




WMATA SDS Number: 14079  
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Signal Word:None  
Primary Hazard Statement:  
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Primary Precautionary Statement:  
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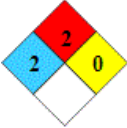


WMATA SDS Number: 14079  
**Febreze Professional Fabric Refresher Deep P. RTU**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refere to the WMATA Approved SDS.




WMATA SDS Number: 14079  
**Febreze Professional Fabric Refresher Deep P. RTU**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refere to the WMATA Approved SDS.



**1. IDENTIFICATION**

<b>Product Name</b>	Febreze Professional™ Fabric Refresher Deep Penetrating - Ready to Use
<b>Product Code(s)</b>	8-00
<b>Product ID:</b>	15148053_PROF_NG
<b>Product Type:</b>	Finished Product - Professional Use Only
<b>Recommended Use</b>	Fabric Refresher
<b>Restrictions on Use</b>	Use only as directed on label.
<b>Manufacturer</b>	Procter & Gamble Professional 2 P&G Plaza Cincinnati, Ohio 45202  Procter & Gamble Inc. P.O. Box 355, Station A Toronto, ON M5W 1C5  1-800-332-7787
<b>E-mail Address</b>	pgsds.im@pg.com
<b>Emergency Telephone</b>	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

**2. HAZARD IDENTIFICATION**

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

Not Classified.

<b>Hazard Statements</b>	None
<b>Hazard pictograms</b>	None
<b>Precautionary Statements - Prevention</b>	None
<b>Precautionary Statements - Response</b>	None
<b>Precautionary Statements - Storage</b>	None
<b>Precautionary Statements - Disposal</b>	None

Hazards not otherwise classified (HNOC) None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

Chemical Name	Synonyms	Trade Secret	CAS-No	Weight %
Ethanol	-	No	64-17-5	1 - 5

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

<b>Eye contact</b>	Rinse with plenty of water. Get medical attention immediately if irritation persists.
<b>Skin contact</b>	Rinse with plenty of water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Most important symptoms/effects, acute and delayed</b>	None under normal use conditions.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray. Dry chemical. Alcohol-resistant foam.
<b>Unsuitable Extinguishing Media</b>	None.
<b>Special hazard</b>	None known.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific hazards arising from the chemical</b>	None.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Use personal protective equipment. Do not get in eyes, on skin, or on clothing.
<b>Advice for emergency responders</b>	Use personal protective equipment as required.

**Environmental precautions** Keep out of waterways. Do not discharge product into natural waters without pre-treatment or adequate dilution.

**Methods and materials for containment and cleaning up**

**Methods for containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products** None known.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Ethanol	64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>

Chemical Name	CAS-No	Alberta	Quebec	Ontario TWAEV	British Columbia
Ethanol	64-17-5	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	STEL: 1000 ppm	STEL: 1000 ppm

No relevant exposure guidelines for other ingredients

**Exposure controls**

**Engineering Measures** **Distribution, Workplace and Household Settings:**  
 Ensure adequate ventilation

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

**Personal Protective Equipment**

**Eye Protection** **Distribution, Workplace and Household Settings:**  
 No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 Use appropriate eye protection

**Hand Protection**

**Distribution, Workplace and Household Settings:**  
 No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 Protective gloves

**Skin and Body Protection**

**Distribution, Workplace and Household Settings:**  
 No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 Wear suitable protective clothing

**Respiratory Protection**

**Distribution, Workplace and Household Settings:**  
 No special protective equipment required

**Product Manufacturing Plant (needed at Product-Producing Plant ONLY):**  
 In case of insufficient ventilation wear suitable respiratory equipment

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State @20°C</b>	liquid	
<b>Appearance</b>	clear	
<b>Odor</b>	Scented	
<b>Odor threshold</b>	No information available	
<u>Property</u>	<u>Values</u>	<u>Note</u>
<b>pH value</b>	4 - 5	
<b>Melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>	No information available	
<b>Flash point</b>	51.7 - 60 °C / 125 - 140 °F	Product is an aqueous solution containing <= 24% alcohol and > 50% water
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	1.00	
<b>Water solubility</b>	100%	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity of Product</b>	No information available < 10 cps	
<b>VOC Content (%)</b>	Products comply with US state and federal regulations for VOC content in consumer products.	

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	None under normal use conditions.
<b>Stability</b>	Stable under normal conditions.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions</b>	None under normal processing.

**Conditions to Avoid** None under normal processing.

**Materials to avoid** None in particular.

**Hazardous Decomposition Products** None under normal use.

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

<b>Inhalation</b>	No known effect.
<b>Skin contact</b>	No known effect.
<b>Ingestion</b>	No known effect.
<b>Eye contact</b>	No known effect.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Acute toxicity</b>	No known effect.
<b>Skin corrosion/irritation</b>	No known effect.
<b>Serious eye damage/eye irritation</b>	No known effect.
<b>Skin sensitization</b>	No known effect.
<b>Respiratory sensitization</b>	No known effect.
<b>Germ cell mutagenicity</b>	No known effect.
<b>Neurological Effects</b>	No known effect.
<b>Reproductive toxicity</b>	No known effect.
<b>Developmental toxicity</b>	No known effect.
<b>Teratogenicity</b>	No known effect.
<b>STOT - single exposure</b>	No known effect.
<b>STOT - repeated exposure</b>	No known effect.
<b>Target Organ Effects</b>	No known effect.
<b>Aspiration hazard</b>	No known effect.
<b>Carcinogenicity</b>	No known effect.

### Component Information

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Codes** 331

(non-household setting)

#### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

#### 15. REGULATORY INFORMATION

##### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

##### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

##### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

##### **California Proposition 65**

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

##### **U.S. State Regulations (RTK)**

Chemical Name	CAS-No	New Jersey
Ethanol	64-17-5	X

Chemical Name	CAS-No	Massachusetts
Ethanol	64-17-5	X

Chemical Name	CAS-No	Pennsylvania
Ethanol	64-17-5	X
2,2'-Oxybisethanol	111-46-6	X
Propylene glycol	57-55-6	X

##### International Inventories

##### **United States**

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

##### **Canada**

This product is in compliance with CEPA for import by P&G.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**CEPA** - Canadian Environmental Protection Act

## 16. OTHER INFORMATION

**HMIS Ratings**

Health hazard	-
Flammability	2
Physical hazard	0

**NFPA Ratings**

Health hazard	2
Flammability	2
Instability	0

**Issuing Date:** 09-Jan-2015

**Revision Date:** 07-Apr-2015

**Disclaimer**

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of SDS**





# APPROVED

Product Name: Ultra Floor Care/Quantum

Date: 1/26/2015



Product: Ultra Floor Care/Quantum  
SDS No.: 13838

## SECTION 1 - Contact Information

Contact Name	Freddie Ross
Contact Phone	202 253 8767
Email Address	Fross@wmata.com
Department / Office	TIES-PLNT
Date	01/16/2015

## SECTION 2 - Product Information

Product Name	Ultra Floor Care/Quantum
Manufacturer Name	Ultra Chem USA INC
Manufacturer Web Address	
Vendor Name	City Group
Physical State of Material	Liquid
Pressurized Container	No
Product Category	Cleaning Chemical (Custodial)
Container Size	Pail/Bucket (Greater than 1 - 5 gallons)
Quantity use	30 per Month
What is the product needed for (purpose) and how is it applied?	Manually using micro-fiber mop heads and mop buckets
Location of Product Use	ADMINISTRATIVE/OFFICE FACILITY BUS FACILITY RAIL SYSTEM SUPPORT FACILITY
Location of Product Storage	BUS FACILITY RAIL YARD SUPPORT FACILITY ADMINISTRATIVE/OFFICE FACILITY

**SECTION 3 - Material Status**

Stock	Yes
Credit Card	No
Comments	Product is used as a floor care finisher to seal floor after stripping process. Stock No. 067000823

**SECTION 4 - Hazards**

Primary Hazard Label	None
Secondary Hazard Label	None
Primary Precaution	None
Secondary Precaution	None
Signal Word	None
NFPA- Health: 1 Fire: 0 Reactive: 0 Special:	

**SECTION 5 - Comments**

General Comments	Follow all MSDS/product label directions. Keep away from bleach and other strong oxidizers.
Special Comments	<b>[ AVOID SKIN AND EYE CONTACT. ]</b>
PPE	Chemical-proof goggles Gloves, nitrile or neoprene
Storage	Keep in closed and properly labeled container. Store in well-ventilated, cool area. Keep away from strong oxidizers.
Environmental Statement	<b>METRO: ALL SPILLS MUST BE CONTAINED TO THE EXTENT POSSIBLE AND IMMEDIATELY REPORTED TO MOC AT (202) 962-1530. The Supervisor is responsible for using this product as intended, informing workers of the hazards associated with using this product, and using the correct Personal Protective Equipment (PPE) required to protect the employee against chemical and physical exposure. All users of this product must</b>

**read this Evaluation and the MSDS for this product prior to use and follow all instructions and precautions. Proper disposal of this product is required. Contact EMIH for disposal of bulk, unused or off-spec product.**

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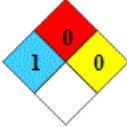
WMATA SDS Number: 13838

**Ultra Floor Care/Quantum**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refer to the WMATA Approved SDS.



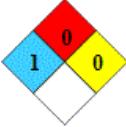
WMATA SDS Number: 13838

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None

Primary Precautionary Statement:  
None

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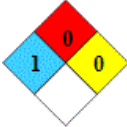
WMATA SDS Number: 13838

**Ultra Floor Care/Quantum**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

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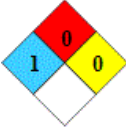
WMATA SDS Number: 13838

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Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refer to the WMATA Approved SDS.



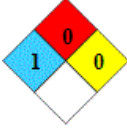
WMATA SDS Number: 13838

**Ultra Floor Care/Quantum**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refer to the WMATA Approved SDS.



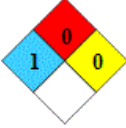
WMATA SDS Number: 13838

**Ultra Floor Care/Quantum**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refer to the WMATA Approved SDS.



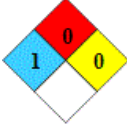
WMATA SDS Number: 13838

**Ultra Floor Care/Quantum**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refer to the WMATA Approved SDS.



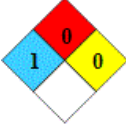
WMATA SDS Number: 13838

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Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

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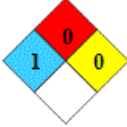
WMATA SDS Number: 13838

**Ultra Floor Care/Quantum**

Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refer to the WMATA Approved SDS.



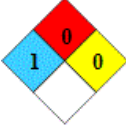
WMATA SDS Number: 13838

**Ultra Floor Care/Quantum**

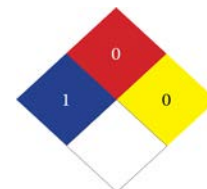
Signal Word:None  
Primary Hazard Statement:  
None

Primary Precautionary Statement:  
None

NOTE: For a complete list of Hazard and Precautionary Statements Refer to the WMATA Approved SDS.



# MATERIAL SAFETY DATA SHEET



## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Hazardous Ingredients (specific) <b>ULTRA FLOOR CARE/QUANTUM</b>		WHMIS Classification: <b>MINIMAL</b>	
Product Use: <b>High Performance Dry Bright Floor Finish</b>			
Manufacturer's Name: <b>ULTRA CHEM USA INC.</b>		Suppliers Name	
Street Address: <b>1462 E. MISSION BOULEVARD</b>		Street Address	
City: <b>POMONA</b>	Province:/ State <b>CA</b>	City	Province
Zip Code: <b>91766</b>	Emergency Telephone: <b>1-800-535-5053</b>	Postal Code	Emergency Telephone
Date MSDS Prepared: <b>APRIL 2014</b>	MSDS Prepared by: <b>ULTRA CHEM USA INC.</b>	Phone Number: <b>909-620-0949</b>	

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients ( <i>specific</i> )	%	CAS Number	LD <sub>50</sub> of Ingredient ( <i>specify species and route</i> )	LC <sub>50</sub> of Ingredient ( <i>specify species</i> )
PROPYLENE GLYCOL	2.6	57-55-6	20g/kg (oral, rat)	N/AV
TRIBUTOXYETHYL PHOSPHATE PLASTICISER	1.5	78-51-3	3000 mg/kg (oral, rat)	> 20 mg/L
ACRYLIC POLYMER	24	NAV	NAV	NAV
WATER	71.9	7732-51-3	N/AP	N/AP

## SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry	<input type="checkbox"/> Skin Contact	<input checked="" type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion
[Emergency Overview]	Wear suitable protective gloves and safety goggles.				
[WHMIS Symbols]	Class D - Poisonous and Infectious Material Division 2 Materials Causing Other Toxic Effects				
[Potential Health Effects]	Prolonged or repeated exposure can cause skin drying.				

## SECTION 4 - FIRST AID MEASURES

Skin Contact	Wash with soap and water. If irritation persists seek medical attention
Eye Contact	Flush with copious amounts of potable water for 15 minutes. Seek medical attention immediately.
Inhalation	N/AP
Ingestion	Give large amount of water to dilute. Seek Medical Attention

### SECTION 5 - FIRE FIGHTING MEASURES

Flammable Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		If yes, under which conditions?	
Means of Extinction As for surrounding Fire. Normal Fire - Fighting Procedures			
Flashpoint (°C) and Method None	Upper Flammable Limit (% by volume) N/AP	Lower Flammable Limit (% by volume) N/AP	
Autoignition Temperature (°C) None	Explosion Data - Sensitivity to Impact NO	Explosion Data - Sensivity to Static Discharge NO	
Hazardous Combustion Products Oxides of Carbon			
[NFPA] NONE			

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Large spill: Dike with absorbent, collect in drum, then dispose. Rinse with water and let dry.
---

### SECTION 7 - HANDLING AND STORAGE

Handling Procedures and Equipment Normal handling procedures, avoid skin and eye contact.
Storage Requirements Store in well ventilated area. Recommended temperature 15°C or 59°F

### SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits N/AV      ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> OTHER (specify) <input type="checkbox"/>
Specific Engineering Controls (such as ventilation enclosed process) Normal ventilation
Personal Protective Equipment Gloves <input checked="" type="checkbox"/> Respirator <input type="checkbox"/> Eye <input checked="" type="checkbox"/> Footwear <input checked="" type="checkbox"/> Clothing <input type="checkbox"/> Other <input type="checkbox"/>
If checked, please specify type Neoprene gloves Chemical splash goggles. Impervious

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State <b>Emulsion</b>	Odor and Appearance <b>Mild Odor; Milk White Solution</b>	Odor Threshold (ppm) <b>N/AV</b>
Specific Gravity <b>1.035</b>	Vapour Density (air = 1) <b>&lt; 1</b>	Vapour Pressure (mmHg) <b>17 mmHg</b>
Evaporation Rate <b>&gt; 1</b>	Boiling Point (°C) <b>&gt;100°C</b>	Freezing Point (°C) <b>&lt;0°C</b>
pH <b>8.5 ± 0.5</b>	Coefficient of Water / Oil Distribution <b>100% water soluble</b>	[Solubility in Water] <b>100%</b>

### SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under which conditions?
Incompatibility with Other Substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, which ones? <b>Strong oxidizing agents such as bleach</b>
Reactivity, and under what conditions? <b>None</b>	
Hazardous Decomposition Products <b>None</b>	

### SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of Acute Exposure <b>Eye, skin contact may cause irritation</b>	
Effects of Chronic Exposure <b>Prolonged or repeated exposure may cause skin drying.</b>	
Irritancy of Product <b>Contact with eyes / skin</b>	
Skin Sensitization <b>N/AV</b>	Respiratory Sensitization
Carcinogenicity -IARC <b>No</b>	Carcinogenicity - ACGIH <b>No</b>
Reproductive Toxicity <b>N/A</b>	Teratogenicity <b>N/A</b>
Embryotoxicity	Mutagenicity <b>N/A</b>
Name of Synergistic Products / Effects <b>N/A</b>	

**SECTION 12 - ECOLOGICAL INFORMATION**

Aquatic Toxicity Molibity= N/A Persistence= N/A Bioaccumulative = N/A

Aquatic Toxicity: Low potential affect on aquatic organism and secondary waste treatment microbial respiration. When diluted with a large amount of water, this material is released directly or indirectly into the environmnet and is not expected to have a significant impact.

THOD (G Oxygen G)= -1.9 COD (G Oxygen (G) = 1.9 BOD5 (G Oxygen (ML) = 0.14

Acute Aquatic effects Data: 24 hrs LC<sub>50</sub> (Goldfish) mg/L 75,000 mg/L  
 96 hrs LC<sub>50</sub> (Blue Gill Sunfish) mg/L 710,000 mg/L

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Waste Disposal

Rinse 3 times with water. Recycling or reconditioning, or puncture and dispose of in sanitary landfill, or if allowed by local and state authorities, by burning. If burning, stay away from smoke.

**SECTION 14 - TRANSPORT INFORMATION**

Special Shipping Information:

Normal procedures. Keep from freezing.

PIN

TDG: N/AP	[DOT] NOT REGULATED
[IMO] N/AP	[ICAO] N/AP

**SECTION 15 - REGULATORY INFORMATION**

[WHMIS Classification]  
 Class D Div 2 Materials Causing Other Toxic Effects

[OSHA]  
 N/A

[SERA]  
 N/A

[TSCA]  
 N/A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR

**SECTION 16 - OTHER INFORMATION**

Notice to Reader:

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.







# MATERIAL SAFETY DATA SHEET: DROP DEAD II AEROSOL

## Unusual Fire and Explosion Hazards:

FIRE FIGHTING SHOULD BE DONE FROM UPWIND TO MINIMIZE POSSIBILITY OF EXPOSURE TO PESTICIDE, SMOKE, AND FUMES. EVACUATE PEOPLE DOWNWIND AS APPROPRIATE. AEROSOL CANS CAN EXPLODE WHEN HEATED. FLAME EXTENSION IS 0 INCHES, BURNBACK IS 0 INCHES. USE CARE AS SPILLS MAY BE SLIPPERY.

---

## Section V - Health and Hazard Data

### Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

### Effects of Overexposure:

#### Acute: (Short Term Exposure)

EYE CONTACT: CAUSES IRRITATION SEEN AS STINGING, TEARING, AND REDNESS. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFATTING, AND CRACKING OF THE SKIN. INJECTION UNDER THE SKIN, IN MUSCLE, OR INTO THE BLOOD STREAM CAN CAUSE IRRITATION, INFLAMMATION, SWELLING, FEVER, AND SYSTEMIC EFFECTS, AND MILD CENTRAL NERVOUS SYSTEM DEPRESSION. INJECTION OF PRESSURIZED HYDROCARBONS CAN CAUSE SEVERE, PERMANENT TISSUE DAMAGE. INITIAL SYMPTOMS MAY BE MINOR. INHALATION: CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. AT LOW VAPOR CONCENTRATIONS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, DROWSINESS, WEAKNESS, UNCONCIOUSNESS, POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION, AND MAY BE FATAL. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA.

#### Chronic: (Long Term Exposure)

ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO HYDROCARBON MIST POSES A RISK OF CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH AND COUGHING ARE THE MOST COMMON SYMPTOMS. ASPIRATION MAY LEAD TO PULMONARY EDEMA AND HEMORRHAGE AND MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATION AND HEART RATES AS WELL AS A BLUISH DISCOLORATION OF THE SKIN. CHRONIC SKIN CONTACT MAY PROMOTE DERMATITIS AND OIL ACNE. IN RARER CASES, AN INCREASED SENSITIVITY TO SUNLIGHT (PHOTOSENSITIVITY) MAY OCCUR. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. TARGET ORGANS: CENTRAL NERVOUS SYSTEM. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

### Primary Routes of Entry

Inhalation       Ingestion       Absorption

### Emergency First Aid Procedures:

#### Inhalation:

REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. GET MEDICAL ATTENTION.

#### Eye Contact:

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

#### Skin Contact:

WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

#### Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

#### Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY. IN THE EVENT OF INJECTION IN UNDERLYING TISSUE, IMMEDIATE TREATMENT SHOULD INCLUDE EXTENSIVE INCISION, DEBRIDEMENT AND SALINE IRRIGATION. INADEQUATE TREATMENT CAN RESULT IN ISCHEMIA AND GANGRENE. EARLY SYMPTOMS MAY BE MINIMAL.

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## Section VI - Toxicity Information

### Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC       NTP       OSHA       ACGIH       Other

VOC CONTENT: 14.5% BY WEIGHT

SYNTHETIC ISOPARAFFINIC HYDROCARBON (<3% DMSO EXTRACTABLES)

IHL-RAT LC50: >290 PPM 3.

ORL-RAT LD50: >10 G/KG 3.

SKN-RBT LD50: >3 G/KG 3.

SKN SENSITIZER: NO 3.

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SKN IRRITATION: SLIGHT 3.  
EYE IRRITATION: SLIGHT 3.

THIS HYDROCARBON WAS ADMINISTERED ORALLY 5 DAYS/WEEK TO MALE AND FEMALE RATS AT 100, 500, OR 1000 MG/KG FOR 13 WEEKS. AN ADDITIONAL GROUP WAS DOSED WITH 100 MG/KG FOR 13 WEEKS FOLLOWED BY A 4-WEEK RECOVERY PERIOD. NO MORTALITIES OR CLINICAL EFFECTS WERE OBSERVED. LIVER AND KIDNEY WEIGHTS FOR THE 500 AND 1000 MG/KG EXPOSURE GROUPS WERE SIGNIFICANTLY INCREASED. AFTER THE 4-WEEK RECOVERY PERIOD, THERE WERE NO DIFFERENCES IN ORGAN WEIGHTS. 3.

HYDROCARBON MISTS DERIVED FROM PETROLEUM DISTILLATES ARE REPORTED TO HAVE LOW ACUTE AND SUB-ACUTE TOXICITIES IN ANIMALS. EFFECTS FROM SINGLE AND SHORT-TERM REPEATED EXPOSURES TO HIGH CONCENTRATIONS WELL ABOVE APPLICABLE WORKPLACE EXPOSURE LEVELS INCLUDE LUNG INFLAMMATORY REACTION, LIPOID GRANULOMA FORMATION, AND LIPOID PNEUMONIA. IN ACUTE AND SUB-ACUTE STUDIES INVOLVING EXPOSURES TO LOWER CONCENTRATIONS AT OR NEAR CURRENT WORK PLACE EXPOSURE LEVELS PRODUCED NO SIGNIFICANT TOXICOLOGICAL EFFECTS. IN LONG TERM STUDIES (UP TO TWO YEARS) NO CARCINOGENIC EFFECTS HAVE BEEN REPORTED IN ANY ANIMAL SPECIES TESTED. THESE PETROLEUM DISTILLATES ARE SEVERELY HYDROTREATED, SEVERELY SOLVENT EXTRACTED, AND/OR PROCESSED BY MILD HYDROTREATMENT AND EXTRACTION. FOR THIS REASON, THEY ARE NOT CLASSIFIED AS CANCER HAZARDS. 3.

PROPANE  
IHL-LC50 >40% BY VOLUME 3.

ISOBUTANE  
IHL-RAT LC50: 57 PPH/15M 4.

NO APPARANT ILL EFFECTS IN BREATHING CONCENTRATIONS OF 5% FOR 2 HOURS. 3.  
CAUSES DROWSINESS IN SHORT TIME IN CONCENTRATIONS OF 1%. 3.

---

## Section VII - Reactivity Data

### Stability

Stable                       Unstable

#### Conditions to Avoid:

KEEP AWAY FROM EXCESSIVE HEAT, HOT SURFACES, SPARKS, OPEN FLAME, AND ANY SOURCE OF IGNITION. EXPOSURE TO TEMPERATURES ABOVE 130° F/64° C MAY CAUSE BURSTING.

### Hazardous Polymerization

Will not occur                       May occur

#### Conditions to Avoid:

N/A

### Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; ACIDS AND BASES.

### Hazardous Decomposition Products:

OXIDES OF CARBON.

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## Section VIII - Spill Or Leak Procedures

### Steps to be Taken if Material is Released or Spilled:

DUE TO THE NATURE OF THE AEROSOL PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER.

### Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. IF RECYCLING IS NOT AVAILABLE, WRAP THE CONTAINER IN SEVERAL LAYERS OF NEWSPAPER AND DISPOSE OF IN TRASH. DO NOT INCINERATE OR PUNCTURE.

### Neutralizing Agent:

N/A

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## Section IX - Special Protection Information

### Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF MISTS OR VAPORS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

### Respiratory Protection:

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND

# MATERIAL SAFETY DATA SHEET: DROP DEAD II AEROSOL

IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

## Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

## Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

## Other Protection:

WEAR GENERAL-DUTY WORK CLOTHES AND SHOES. REMOVE SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

---

## Section X - Storage and Handling Information

### Storage Temperature

Max: 120°F      Min: 30°F

### Storage Conditions

Indoors       Outdoors       Heated       Refrigerated

### Precautions to be Taken in Handling and Storing:

STORE IN A COOL, DRY AREA. DO NOT TRANSPORT OR STORE BELOW 32°F/0°C. DO NOT ALLOW PESTICIDE TO CONTAMINATE FOOD, FEED, OR NATURAL BODIES OF WATER. USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME. CONTENTS UNDER PRESSURE.

### Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. DO NOT APPLY THIS PRODUCT TO ENERGIZED ELECTRICAL EQUIPMENT.

---

## Section XI - Regulatory Information

### Chemical Name

None.

### CAS Number

### Upper % Limit

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

---

## Section XII - References

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2006.
2. OSHA PEL.
3. VENDOR'S MSDS.

4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2006.

ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING.

IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE CLOSED CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIAN, PNOS:PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, PNOR:PARTICULATES NOT OTHERWISE REGULATED, SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMN:HUMAN

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# MATERIAL SAFETY DATA SHEET: DROP DEAD II AEROSOL

## Unusual Fire and Explosion Hazards:

FIRE FIGHTING SHOULD BE DONE FROM UPWIND TO MINIMIZE POSSIBILITY OF EXPOSURE TO PESTICIDE, SMOKE, AND FUMES. EVACUATE PEOPLE DOWNWIND AS APPROPRIATE. AEROSOL CANS CAN EXPLODE WHEN HEATED. FLAME EXTENSION IS 0 INCHES, BURNBACK IS 0 INCHES. USE CARE AS SPILLS MAY BE SLIPPERY.

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## Section V - Health and Hazard Data

### Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

### Effects of Overexposure:

#### Acute: (Short Term Exposure)

EYE CONTACT: CAUSES IRRITATION SEEN AS STINGING, TEARING, AND REDNESS. SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS. PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFATTING, AND CRACKING OF THE SKIN. INJECTION UNDER THE SKIN, IN MUSCLE, OR INTO THE BLOOD STREAM CAN CAUSE IRRITATION, INFLAMMATION, SWELLING, FEVER, AND SYSTEMIC EFFECTS, AND MILD CENTRAL NERVOUS SYSTEM DEPRESSION. INJECTION OF PRESSURIZED HYDROCARBONS CAN CAUSE SEVERE, PERMANENT TISSUE DAMAGE. INITIAL SYMPTOMS MAY BE MINOR. INHALATION: CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. AT LOW VAPOR CONCENTRATIONS, NO HARMFUL EFFECTS ARE EXPECTED. AT HIGH VAPOR CONCENTRATIONS, INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS HEADACHE, DIZZINESS, DROWSINESS, WEAKNESS, UNCONCIOUSNESS, POSSIBLE ANESTHETIC EFFECTS FROM CENTRAL NERVOUS SYSTEM DEPRESSION, AND MAY BE FATAL. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA.

#### Chronic: (Long Term Exposure)

ON RARE OCCASIONS, PROLONGED AND REPEATED EXPOSURE TO HYDROCARBON MIST POSES A RISK OF CHRONIC LUNG INFLAMMATION. THIS CONDITION IS USUALLY ASYMPTOMATIC AS A RESULT OF REPEATED SMALL ASPIRATIONS. SHORTNESS OF BREATH AND COUGHING ARE THE MOST COMMON SYMPTOMS. ASPIRATION MAY LEAD TO PULMONARY EDEMA AND HEMORRHAGE AND MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATION AND HEART RATES AS WELL AS A BLUISH DISCOLORATION OF THE SKIN. CHRONIC SKIN CONTACT MAY PROMOTE DERMATITIS AND OIL ACNE. IN RARER CASES, AN INCREASED SENSITIVITY TO SUNLIGHT (PHOTOSENSITIVITY) MAY OCCUR. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. TARGET ORGANS: CENTRAL NERVOUS SYSTEM. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

### Primary Routes of Entry

Inhalation       Ingestion       Absorption

### Emergency First Aid Procedures:

#### Inhalation:

REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. GET MEDICAL ATTENTION.

#### Eye Contact:

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

#### Skin Contact:

WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

#### Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

#### Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY. IN THE EVENT OF INJECTION IN UNDERLYING TISSUE, IMMEDIATE TREATMENT SHOULD INCLUDE EXTENSIVE INCISION, DEBRIDEMENT AND SALINE IRRIGATION. INADEQUATE TREATMENT CAN RESULT IN ISCHEMIA AND GANGRENE. EARLY SYMPTOMS MAY BE MINIMAL.

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## Section VI - Toxicity Information

### Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC       NTP       OSHA       ACGIH       Other

VOC CONTENT: 14.5% BY WEIGHT

SYNTHETIC ISOPARAFFINIC HYDROCARBON (<3% DMSO EXTRACTABLES)

IHL-RAT LC50: >290 PPM 3.

ORL-RAT LD50: >10 G/KG 3.

SKN-RBT LD50: >3 G/KG 3.

SKN SENSITIZER: NO 3.

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SKN IRRITATION: SLIGHT 3.  
EYE IRRITATION: SLIGHT 3.

THIS HYDROCARBON WAS ADMINISTERED ORALLY 5 DAYS/WEEK TO MALE AND FEMALE RATS AT 100, 500, OR 1000 MG/KG FOR 13 WEEKS. AN ADDITIONAL GROUP WAS DOSED WITH 100 MG/KG FOR 13 WEEKS FOLLOWED BY A 4-WEEK RECOVERY PERIOD. NO MORTALITIES OR CLINICAL EFFECTS WERE OBSERVED. LIVER AND KIDNEY WEIGHTS FOR THE 500 AND 1000 MG/KG EXPOSURE GROUPS WERE SIGNIFICANTLY INCREASED. AFTER THE 4-WEEK RECOVERY PERIOD, THERE WERE NO DIFFERENCES IN ORGAN WEIGHTS. 3.

HYDROCARBON MISTS DERIVED FROM PETROLEUM DISTILLATES ARE REPORTED TO HAVE LOW ACUTE AND SUB-ACUTE TOXICITIES IN ANIMALS. EFFECTS FROM SINGLE AND SHORT-TERM REPEATED EXPOSURES TO HIGH CONCENTRATIONS WELL ABOVE APPLICABLE WORKPLACE EXPOSURE LEVELS INCLUDE LUNG INFLAMMATORY REACTION, LIPOID GRANULOMA FORMATION, AND LIPOID PNEUMONIA. IN ACUTE AND SUB-ACUTE STUDIES INVOLVING EXPOSURES TO LOWER CONCENTRATIONS AT OR NEAR CURRENT WORK PLACE EXPOSURE LEVELS PRODUCED NO SIGNIFICANT TOXICOLOGICAL EFFECTS. IN LONG TERM STUDIES (UP TO TWO YEARS) NO CARCINOGENIC EFFECTS HAVE BEEN REPORTED IN ANY ANIMAL SPECIES TESTED. THESE PETROLEUM DISTILLATES ARE SEVERELY HYDROTREATED, SEVERELY SOLVENT EXTRACTED, AND/OR PROCESSED BY MILD HYDROTREATMENT AND EXTRACTION. FOR THIS REASON, THEY ARE NOT CLASSIFIED AS CANCER HAZARDS. 3.

PROPANE  
IHL-LC50 >40% BY VOLUME 3.

ISOBUTANE  
IHL-RAT LC50: 57 PPH/15M 4.

NO APPARANT ILL EFFECTS IN BREATHING CONCENTRATIONS OF 5% FOR 2 HOURS. 3.  
CAUSES DROWSINESS IN SHORT TIME IN CONCENTRATIONS OF 1%. 3.

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## Section VII - Reactivity Data

### Stability

Stable                       Unstable

#### Conditions to Avoid:

KEEP AWAY FROM EXCESSIVE HEAT, HOT SURFACES, SPARKS, OPEN FLAME, AND ANY SOURCE OF IGNITION. EXPOSURE TO TEMPERATURES ABOVE 130° F/64° C MAY CAUSE BURSTING.

### Hazardous Polymerization

Will not occur                       May occur

#### Conditions to Avoid:

N/A

### Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; ACIDS AND BASES.

### Hazardous Decomposition Products:

OXIDES OF CARBON.

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## Section VIII - Spill Or Leak Procedures

### Steps to be Taken if Material is Released or Spilled:

DUE TO THE NATURE OF THE AEROSOL PACKAGING, A LARGE SPILL IS UNLIKELY. FOR A SMALL SPILL, ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER.

### Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. IF RECYCLING IS NOT AVAILABLE, WRAP THE CONTAINER IN SEVERAL LAYERS OF NEWSPAPER AND DISPOSE OF IN TRASH. DO NOT INCINERATE OR PUNCTURE.

### Neutralizing Agent:

N/A

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## Section IX - Special Protection Information

### Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF MISTS OR VAPORS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

### Respiratory Protection:

RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992). FOR CONCENTRATIONS ABOVE THE TLV AND/OR PEL BUT LESS THAN 10 TIMES THESE LIMITS, A NIOSH APPROVED HALF-FACEPIECE RESPIRATOR EQUIPPED WITH APPROPRIATE CHEMICAL CARTRIDGES MAY BE USED. FOR CONCENTRATIONS GREATER THAN 10 TIMES THE TLV AND/OR PEL, CONSULT THE NIOSH RESPIRATOR DECISION LOGIC FOUND



# MATERIAL SAFETY DATA SHEET: DROP DEAD II AEROSOL

IN PUBLICATION NO. 87-116 OR ANSI Z88.2-1992.

## Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

## Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

## Other Protection:

WEAR GENERAL-DUTY WORK CLOTHES AND SHOES. REMOVE SOAKED CLOTHING AND SHOES. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

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## Section X - Storage and Handling Information

### Storage Temperature

Max: 120°F      Min: 30°F

### Storage Conditions

Indoors       Outdoors       Heated       Refrigerated

### Precautions to be Taken in Handling and Storing:

STORE IN A COOL, DRY AREA. DO NOT TRANSPORT OR STORE BELOW 32°F/0°C. DO NOT ALLOW PESTICIDE TO CONTAMINATE FOOD, FEED, OR NATURAL BODIES OF WATER. USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAME. CONTENTS UNDER PRESSURE.

### Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS. DO NOT APPLY THIS PRODUCT TO ENERGIZED ELECTRICAL EQUIPMENT.

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## Section XI - Regulatory Information

### Chemical Name

None.

### CAS Number

### Upper % Limit

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

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## Section XII - References

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2006.
2. OSHA PEL.
3. VENDOR'S MSDS.

4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2006.

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