

**SECTION 1: PRODUCT IDENTIFICATION**

**Product Name:** UMC-55  
**Synonyms:**  
**Product Number:** 40-UMC55-1G  
**Company:** Durável  
**Address:** 227 Crompton St., Charlotte NC 28273  
**Business Phone:** (704) 837-7991  
**Emergency Phone:** Chemtrec US (800) 424-9300 CNN 1014580  
**Date of Current Revision:** November 16, 2023

**SECTION 2: HAZARD IDENTIFICATION**

Classification

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable Liquids	Category 3
Acute toxicity – Oral	Category 5
Acute toxicity – Inhalation (Vapors)	Category 4
Skin Sensitization	Category 2
Serious eye damage/eye irritation	Category AB
Specific Target Organ Toxicity – Single Exposure Respiratory	Category 3
Specific Target Organ Toxicity – Single Exposure Central Nervous System	Category 3
Aspiration toxicity	Category 1

**EMERGENCY OVERVIEW:** This product is a transparent liquid.

**DANGER!**

**Hazard Statements**

- Flammable liquid and vapor
- Causes Serious Eye Irritation
- May Cause Respiratory Irritation
- May Cause Drowsiness or Dizziness
- May be Harmful if Swallowed
- May be Harmful if Swallowed and Enters Airways
- Causes Skin Irritation H402 – Harmful to aquatic life.



**Appearance:** Transparent  
Liquid

**Physical State:** Liquid

**Odor:** Solvent

### **Precautionary Statements**

#### **Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ ventilating/ lighting/ equipment  
Use only non-sparking tools  
Take action to prevent static discharges  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Use only outdoors or in a well-ventilated area  
Avoid release to the environment  
Wear protective gloves/protective clothing/eye protection/face protection

#### **Response**

IF exposed or concerned: Get medical advice/attention  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
If skin irritation occurs: Get medical advice or attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
IF SWALLOWED: Immediately call a POISON CONTROL CENTER/doctor  
Do NOT induce vomiting.  
Take off contaminated clothing and wash before reuse  
In case of fire use, "alcohol resistant" foam, dry chemical, halon or carbon dioxide to extinguish.  
Collect spillage

#### **Storage**

Store in well-ventilated place. Keep Cool. Keep container tightly closed. Store locked up.  
Precautionary Statements

#### **Disposal**

Dispose of contents/container in accordance with local/regional/national regulations.

#### **Hazard(s) Not Otherwise Classified (HNOC)**

Repeated exposure may cause skin dryness or cracking

## SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

### Substance

Chemical Name	CAS No.	Weight - %	Trade Secret
Homopolymer of Hexamethylene Diisocyanate	28182-81-2	40 - 60	*
4-Chlorobenzotrifluoride	98-56-6	15 - 40	*
Solvent Naptha (Petroleum), Light Aromatic	64742-95-6	15 - 40	*

\*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: FIRST-AID MEASURES

### Description of First Aid Measures

<b>General Advice</b>	Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.
<b>Eye Contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Eye, Skin, and Respiratory Irritation.

### Indication of any immediate medical attention and special treatment needed

**Note to Physicians** Treat symptomatically. For additional information, see Safety Data Sheet.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Dry Chemical, Alcohol Resistant Foam, Halon or Carbon Dioxide.

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Fire and Explosion Hazards Arising from the Chemical**

In a fire or if heated a pressure increase may occur and the container may burst.

**Hazardous combustion products**

Carbon dioxide (CO2). Carbon monoxide.

**Explosion data**

**Sensitivity to Mechanical Impact**

Not available

**Sensitivity to Static Discharge**

May be ignited by friction, heat, sparks or flames.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment as required. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

**Methods and material for containment and cleaning up**

Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Dispose according to local regulations.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling****Advice for safe handling**

Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take measures to prevent the buildup of electrostatic charge. Use non-sparking tools. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

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

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Incompatible Materials**

Keep away from strong oxidizing agents, strong alkalis, and strong acids.

**SECTION 8: EXPOSURE CONTROLS – PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Petroleum Naphtha, Light Aromatic, CAS# 64742-95-6: OSHA 100 ppm TWA.

**Appropriate engineering controls****Engineering Controls**

General/Local Ventilation Recommended

**Personal Protective Equipment****Respiratory Protection**

Use respiratory protection unless adequate local exhaust ventilation is provided, or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**Hand Protection**

Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.

**Eye Protection**

Wear safety glasses with side shields (or goggles).

**Skin Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the workday.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Solvent
<b>Appearance</b>	Transparent	<b>Odor Threshold</b>	Not available
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
<b>pH</b>	Not Relevant	
<b>Melting point/freezing point</b>	Not Available	
<b>Boiling point/Boiling range</b>	149° C (300° F)	
<b>Flash point</b>	>42° C (108° F)	CC (closed cup)
<b>Evaporation rate</b>	Not Available	
<b>Flammability (solid, gas)</b>	Not Relevant	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	7.0%	
<b>Lower flammability limit:</b>	1.0%	
<b>Vapor pressure</b>	Not Available	
<b>Vapor density</b>	Not Available	
<b>Relative density</b>	1.0828 @ 70° F	
<b>Water solubility</b>	Insoluble in water	
<b>Solubility in other solvents</b>	Not Available	
<b>Partition coefficient</b>	Not Available	
<b>Autoignition temperature</b>	Not Available	
<b>Decomposition temperature</b>	Not Available	
<b>Kinematic viscosity</b>	Not Available	
<b>Dynamic viscosity</b>	Not Available	
<b>Explosive properties</b>	Not Available	
<b>Oxidizing properties</b>	Not Available	

Other Information

<b>Softening point</b>	Not Relevant
<b>Molecular weight</b>	Not Available
<b>VOC Content (%)</b>	< 250 g/L
<b>Density</b>	Not Available
<b>Bulk Density</b>	Not Available

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**

Not Available

**Chemical stability**

Stable

**Possibility of Hazardous Reactions**

Hazardous polymerization does not occur

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Keep away from strong oxidizing agents, strong alkalis, and strong acids.

**Hazardous Decomposition Products**

Hazardous decomposition products formed under fire conditions, carbon oxides.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

Likely routes of exposure include inhalation by direct contact and vapor inhalation, eye contact by direct contact, skin contact by direct contact and ingestion by direct contact.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum naphtha, light aromatic 64742-95-6	--	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h = 3400 ppm (Rat) 4 h

**Information on toxicological effects**

**Symptoms**

May cause drowsiness or dizziness if inhaled. May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

Skin corrosion/irritation	Causes severe burns. Irritating to skin.
Serious eye damage/eye irritation	Irritating to eyes. Risk of serious damage to eyes.
Irritation	Irritating to eyes, respiratory system and skin.
Sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP
Reproductive toxicity	Not Available.

STOT – single exposure	Not Available.
STOT – repeated exposure	Not Available.
Aspiration hazard	Not Available.

**SECTION 12: ECOLOGICAL INFORMATION**

Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Petroleum naphtha, light aromatic 64742-95-6	--	9.22: 96 h Oncorhynchus mykiss mg/L LC50	6.14: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

No data available

**Bioaccumulation**

No data available

**Other adverse effects**

No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method**

Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

**Empty Container Precautions**

Dispose of in accordance with federal, state and local regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

<b><u>DOT</u></b>	Combustible Liquid. Not regulated by domestic ground transportation
<b>Marine Pollutant</b>	Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
<b><u>IATA</u></b>	
<b>UN/ID no.</b>	1263
<b>Proper shipping name</b>	Paint Related Material



**Hazard Class** 3  
**Packing Group** III

**IMDG**

**UN/ID no.** 1263  
**Proper shipping name** Paint Related Material  
**Hazard Class** 3  
**Packing Group** III

**SECTION 15: REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Does not comply  
**ENCS** Complies  
**IECSC** Complies  
**KECL** Complies  
**PICCS** Complies  
**AICS** Complies

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US 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

**SARA 311/312 Hazard Categories**

**Acute health hazard** Yes  
**Chronic health hazard** Yes  
**Fire hazard** Yes  
**Sudden release of pressure hazard** Yes  
**Reactive hazard** No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**US State Regulations****California Proposition 65**

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

**SECTION 16: OTHER INFORMATION**

**NFPA** Product does not meet criteria for regulation

<b>Issue Date</b>	August 3, 2020
<b>Revision Date</b>	November 16, 2023
<b>Revision Note</b>	Address

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. 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. Durável assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Durável assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety precautions are followed.

**END OF SAFETY DATA SHEET**