

SECTION 1: PRODUCT IDENTIFICATION

Product Name: UMC-55
Synonyms:
Product Number: 40-UMC55-1G
Company: Durável
Address: P.O. Box 1141, Davidson NC 28036
Business Phone: (704) 837-7991
Emergency Phone: Chemtrec US (800) 424-9300 CNN 874540
Date of Current Revision: August 10, 2020

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

- General Advice** Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.

- Eye Contact** 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.

- Skin Contact** 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.

- Inhalation** 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.

- Ingestion** 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

| | | | |
|-----------------------|-------------|-----------------------|---------------|
| Physical State | Liquid | Odor | Solvent |
| Appearance | Transparent | Odor Threshold | Not available |
| Color | Clear | | |

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

Other Information

| | |
|-------------------------|---------------|
| Softening point | Not Relevant |
| Molecular weight | Not Available |
| VOC Content (%) | < 250 g/L |
| Density | Not Available |
| Bulk Density | 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. |

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 | | | |
|--------------------------------------|------------------|----------------|--------------------|
| <u>NFPA</u> | Health hazards 1 | Flammability 2 | Instability 0 |
| <u>HMIS</u> | Health hazards 1 | Flammability 2 | Physical hazards 0 |
| Issue Date | August 3, 2020 | | |
| Revision Date | Not applicable | | |
| Revision Note | None | | |

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