

1	PRODUCT AND COMPANY IDENTIFICATION
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Supplier Details: Rubberloc Inc.
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Emergency: CHEMTREC 800-424-9300 (24 HOUR SERVICE)

2	HAZARDS IDENTIFICATION
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Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 5 Dermal
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Specific target organ toxicity - Repeated exposure, 2
Environmental, Hazards to the aquatic environment - Acute, 1
Environmental, Hazards to the aquatic environment - Chronic, 1
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H302 - Harmful if swallowed
H313 - May be harmful in contact with skin
H319 - Causes serious eye irritation
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
P302 + P352 - IF ON SKIN: Wash with plenty of water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 - Get medical advice/attention if you feel unwell.
P330 - Rinse mouth.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P391 - Collect spillage.
P501 - Dispose of contents/container according to local, regional, national, and international regulations

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
68479-98-1	35-55%	Benzenediamine, ar,ar-diethyl-ar-methyl-
1333-86-4	0-4%	Carbon black

FIRST AID MEASURES

- Inhalation:** If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
- Skin Contact:** Immediately rinse with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.
- Eye Contact:** Immediately rinse with water for a prolonged period (at least 15 minutes). Remove contact lenses, if present and easy to do. Obtain medical attention if irritation develops or persists.
- Ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

FIRE FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, or other extinguishing media appropriate for surrounding fire

Unsuitable extinguishing media: Use of heavy stream of water may spread fire.

Not considered flammable, but may burn at high temperatures.

Reactivity: Hazardous reactions will not occur under normal conditions.

Product is not explosive. Do not weld, burn, or cut empty containers.

Exercise caution when fighting any chemical fire. Fire fighters should wear self-contained breathing apparatus to protect against inhalation of cyanates vapors and other decomposition/combustion products. Do not release runoff from fire control methods to sewers or waterways. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or positive-pressure mode.

ACCIDENTAL RELEASE MEASURES

Avoid all contact with skin, eyes, or clothing. Avoid breathing(vapor, mist, spray). Use appropriate personal protection equipment. Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

HANDLING AND STORAGE

- Handling Precautions:** Keep away from sources of ignition - no smoking. Keep away from heat and open flame. Avoid all eye and skin contact and do not breathe vapor or mist. Always wash hands after handling. Do not eat, drink, or smoke when using this product. Ensure there is adequate ventilation. Wear recommended personal protective equipment. Take precautionary measures against static discharge. Use grounded electrical/mechanical equipment.
- Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.
- Storage Requirements:** Store in a dry, cool, and well-ventilated place. Keep container closed when not in use. Keep/store away from direct sunlight, extremely high or low temperatures, and incompatible materials. Use plastic or vinyl lined containers. Product is hygroscopic; protect with padding of dry nitrogen or dry air. Drying system with molecular sieve on the vents can also be used. Shelf life is 18 months in unopened containers.

Engineering Controls:

Ensure adequate ventilation, especially in confined areas.

Personal Protective

Carbon black cas#:(1333-86-4) [0-4%]

Equipment:

Personal protective equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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Components with workplace control parameters

TWA	3.5 mg/m3	USA. ACGIH Threshold Limit Values (TLV) Not classifiable as a human carcinogen
TWA	3.5 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
TWA	3.5 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
TWA	3.5 mg/m3	USA. NIOSH Recommended Exposure Limits
TWA	0.1 mg/m3	USA. NIOSH Recommended Exposure Limits
Potential Occupational Carcinogen		
Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)		
See Appendix C		

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Black	Odor:	Slight musty to odorless
Physical State:	Liquid		

10	STABILITY AND REACTIVITY
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Reactivity: Hazardous reactions will not occur under normal conditions

Chemical Stability: Stable under recommended handling and storage conditions

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.

Materials to Avoid: Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition: Carbon oxides. Oxides of aluminum. Oxides of titanium.

Hazardous Polymerization: Will not occur

11	TOXICOLOGICAL INFORMATION
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Carbon black cas#:(1333-86-4) [0-4%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - male and female - > 8,000 mg/kg (OECD Test Guideline 401)

Inhalation: no data available

LD50 Dermal - rabbit - > 3,000 mg/kg

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation - 24 h (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: No eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitisation: - guinea pig Result: Did not cause sensitisation on laboratory animals. (OECD Test Guideline 406)

Germ cell mutagenicity: Ames test S. typhimurium Result: negative

Hamster ovary

DNA repair rat - female

Carcinogenicity:

Carcinogenicity - rat - Inhalation:

Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors.

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Carbon black)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: FF5800000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Danio rerio (zebra fish) - > 1,000 mg/l - 96 h.

Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - > 5,600 mg/l - 24 h.

other aquatic (OECD Test Guideline 202) invertebrates

Toxicity to algae static test EC50 - Desmodesmus subspicatus (green algae) - > 10,000 mg/l - 72 h (OECD Test Guideline 201)

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Dispose of waste material in accordance with all local, regional, national and international regulations. Do not dispose of waste into sewer.

Non DOT/RCRA regulated

[%] RQ (CAS#) Substance - Reg Codes

[35-55%] Benzenediamine, ar,ar-diethyl-ar-methyl- (68479-98-1) TSCA

[0-4%] Carbon black (1333-86-4) IARC, MASS, OSHAWAC, PA, TSCA, TXAIR

**WARNING**

This product can expose you to chemicals including Carbon black (airborne, unbound particles of respirable size), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Regulatory Code Legend

TSCA = Toxic Substances Control Act

IARC = IARC Carcinogen Risks

MASS = MA Massachusetts Hazardous Substances List

OSHAWAC = OSHA Workplace Air Contaminants

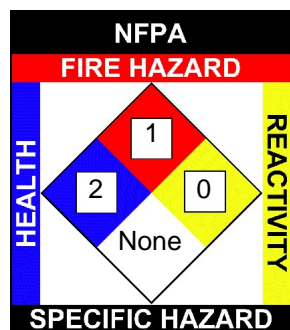
PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

NFPA: Health = 2, Fire = 1, Reactivity = 0, Specific Hazard = None

HMIS III: Health = 2, Fire = 1, Physical Hazard = 0

HMIS PPE: X - Consult your supervisor for special instructions



HMIS	
HEALTH	<input type="checkbox"/> 2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

Revision Date: 5/11/2021