

Material Safety Data Sheet

ADROSEAL MS 55 PLUS

1. Identification of the substance/preparation and the company

Product Name: ADROSEAL MS 55 PLUS

Applications: Bonding bonding and joint sealing

Manufacturer Details:

ADROIT ENDÜSTRİYEL YAPIŞTIRICI VE KİMYA A.Ş.

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2. Composition /information on ingredients

CAS #	Component	Percentage
471-34-1	Calcium carbonate	30-60
1333-86-4	Carbon black	0-5
75009-88-0	Polyether	20-70
2768-02-7	vinyl tri methoxysilane	1-5

3. Hazards identification

Emergency Overview: This product may cause eye and skin irritation.

Eye Contact: This product may cause irritation to the eyes. Rubbing may cause abrasion of cornea. Vapors may also produce eye irritation.

Skin Contact: Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

Ingestion: Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Medical Conditions Aggravated by Exposure: Pre-existing eye, skin and respiratory disorders.

4. First-aid measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

Skin Contact: For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

Ingestion: If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

Inhalation: If gas/fume/vapor/dust/mist from the material is inhaled, remove the affected person immediately to fresh air.

First Aid (Notes to Physician): Provide general supportive measures and treat symptomatically.

5. Fire-fighting measures

Flash Point: >300 °F **Method Used:** Estimated **Flammability:** Non-flammable

Classification: **Upper Flammable:** Not applicable **Lower Flammable:** Not applicable

Fire & Explosion Hazards: This product is combustible at high temperatures.

Decomposition Products: Irritating and/or toxic gases may be emitted upon the product's decomposition.

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.

Fire-Fighting Instructions: Firefighters should wear full protective clothing including self contained breathing apparatus.

6. Accidental release measures

Containment Procedures: Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during cleanup. Do not allow product to enter sewer or waterways. Remove sources of ignition.

Clean-Up Procedures: Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation.

7. Handling and storage

Handling Procedures: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing fumes if this product is used at high temperatures. Use this product with adequate ventilation. Do not take internally. For industrial use only.

Storage Procedures: Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers. Store between 50 and 80 °F.

8. Exposure controls /Personal protection

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

Carbon black (1333-86-4)

ACGIH: 3.5 mg/m³TWA

OSHA: 3.5 mg/m³ TWA

NIOSH: 3.5 mg/m³ TWA; 0.1 mg/m³ TWA (as PAH, carbon black in presence of polycyclic aromatic hydrocarbons)

Tin compound (Proprietary)

ACGIH: 0.1 mg/m³ TWA (as Sn) (related to Tin organic compounds)

0.2 mg/m³ STEL (as Sn) (related to Tin organic compounds)

Skin - potential significant contribution to overall exposure by the cutaneous route (related to Tin organic compounds)

OSHA: 0.1 mg/m³ TWA (as Sn) (related to Tin, organic compounds)

NIOSH: 0.1 mg/m³ TWA (as Sn, except Cyhexatin) (related to Tin (organic compounds)) Potential for dermal absorption (related to Tin (organic compounds))

Engineering Controls: Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT: As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes/Face Protective Equipment: Wear safety glasses; chemical goggles for fumes which may arise from thermal processing.

Skin Protection: Use impervious gloves.

Respiratory Protection: When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.

Work Practices: Eye wash fountain and emergency showers are recommended.

9. Physical and chemical properties

Physical State:	Paste	Appearance:	Black
Odor:	Mild	Vapor Pressure:	Not determined
Vapor Density:	Not determined	Boiling Point:	>300 °F
Specific Gravity:	1.4	pH:	Not Applicable
Viscosity:	Not determined	VOC:	Not Applicable
Solubility Water:	Negligible	Evaporation Rate:	Not determined
Percent Volatile:	Not determined	Percent Solids:	> 99%

10. Stability and reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Avoid excessive heat and ignition sources.

Incompatibility: This product may react with strong acids or oxidizing agents.

Decomposition Products: Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization: Will not occur.

11. Toxicological information

Acute Toxicity:**A: General Product Information**

No information available for the product.

B: Component Analysis - LD50/LC50**Calcium carbonate (471-34-1)**

Oral LD50 Rat: 6450 mg/kg

Carbon black (1333-86-4)

Oral LD50 Rat: >15400 mg/kg; Dermal LD50 Rabbit: >3 g/kg

Di-isononyl phthalate (28553-12-0)

Oral LD50 Rat: >10 g/kg

Carcinogenicity:**A: General Product Information**

No information available for the product.

B: Component Carcinogenicity**Carbon black (1333-86-4)**

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NIOSH: potential occupational carcinogen

IARC: Monograph 93 posted, Monograph 65 [1996]

Tin compound (Proprietary)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (related to Tin organic compounds)

Chronic Toxicity: No information available for the product.

Epidemiology: No information available for the product.

Neurotoxicity: No information available for the product.

Mutagenicity: No information available for the product.

Teratogenicity: No information available for the product.

Other Toxicological Information: None available.

12. Ecological information

Ecotoxicity:**A: General Product Information**

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity**Carbon black (1333-86-4)****Test & Species**

24 Hr EC50 Daphnia magna

Conditions

>5600 mg/L

Di-isononyl phthalate (28553-12-0)**Test & Species**

96 Hr LC50 Brachydanio rerio

Conditions

>10000 mg/L

Environmental Fate:

No data is available concerning the environmental fate, biodegradation or bioconcentration for this product.

13. Disposal considerations

US EPA Waste Numbers & Descriptions:**A: General Product Information**

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

14. Transport information

US DOT Information

Shipping Name: Please refer to the container label for transportation information.

15. Regulatory information

US Federal Regulations**A: General Product Information**

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No Reactive: No

State Regulations**A: General Product Information**

No additional information available.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Carbon black	1333-86-4	Yes	No	Yes	Yes	Yes	Yes
Tin compound (¹ related to Tin compounds) (² related to Tin organic compounds)	Proprietary	Yes ¹	No	No	Yes ²	No	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Other Regulations**A: General Product Information**

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Calcium carbonate	471-34-1	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	Yes	Yes
Di-isononyl phthalate	28553-12-0	Yes	Yes	Yes

Tin compound	Proprietary	Yes	No	Yes
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C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure

List:

Component	CAS #	Minimum Concentration
Carbon black	1333-86-4	1 %

16. Other information

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

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ADROIT SDS EU

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