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GOOD PEOPLE, GREAT SCIENCE

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POLYLINK™ 4230

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier:

Trade name: PolyLink™ 4230

PRODUCT DESCRIPTION: Mixture of Amines

CAS NUMBER: Mixture

PRODUCT CODE: PolyLink™ 4230

GENERIC NAME: Amines

Manufacturer/Supplier:

The Hanson Group, LLC

3044 Adriatic Court

Peachtree Corners, GA 30071

Phone: 770-495-9554

Fax: 404-521-4396

Emergency Assistance - 24-hour Emergency Telephone Numbers:

USA (CHEMTREC): + 1-800-424-9300

Outside USA (CHEMTREC): + 1-703-527-3887

2. HAZARD IDENTIFICATION

Acute toxicity - Oral	Category 4
Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin Sensitization	Category 1A
Specific target organ toxicity (single exposure)	Category 3

Signal Word**Warning****Hazard statements**

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

May cause respiratory irritation

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

Take off contaminated clothing and wash before reuse

If skin irritation or rash occurs: Get medical advice/attention

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms MIXTURE

Formula MIXTURE

Chemical name	CAS No.
4,4-Methylenebis (N-Sec-Butylaniline)	5285-60-9 (Less than 85%)
Proprietary Blend	** (Less than 20%)

4. FIRST AID MEASURES

First Aid Measures

General Advice:	show this safety data sheet to the doctor in attendance.
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
Skin Contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Consult a physician.
Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician if necessary.
Ingestion:	Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician.
Protection/First Aider	Use personal protective equipment as required. Avoid contact with eyes, skin and clothing

Most important symptoms and effects, both acute and delayed

Signs and Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO₂).

Unsuitable extinguishing media: No information available

Hazardous Combustion Products: Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides.

Explosion Data:

Sensitivity to mechanical impact Not available.

Sensitivity to static discharge Not available.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental Precautions	Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow it into any sewer, on the ground or into any body of water.

Methods and material for containment and cleaning up

Methods for Clean-up Evacuate personnel to safe areas. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Do not breathe vapor or spray mist. Avoid contact with eyes, skin and clothing. Avoid repeated exposure.

Conditions for safe storage, including any incompatibilities

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

Incompatible Materials Strong Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
4,4-Methylenebis (N-Sec-Butylaniline) 5285-60-9	-	-	-

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tight sealing safety goggles.
Skin and body protection Use suitable eye protection and gloves.
Respiratory Protection In case of insufficient ventilation, wear suitable respiratory equipment.
General Hygiene Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Clear to Amber
Physical State Liquid
Odor Hydrocarbon-like

<u>Property</u>	<u>Values</u>
pH	No Data Available
Melting point / Freezing point	No Data Available
Boiling point/ boiling range	351 °C
Flash Point	177 °C
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	No information available
Autoignition temperature	No information available
Vapor pressure	< 1 mmHG @ 68°F (20°C)
Relative density/Specific Gravity	1.01
Vapor density	>1
Viscosity	230 cSt @ 100°F (38°C)

10. STABILITY AND REACTIVITY

Reactivity	Not applicable.
Chemical Stability	Stable under recommended storage conditions
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Strong Acids.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO ₂). Nitrogen oxides (NO _x).
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

The following values are calculated based on chapter 3.1 of the GHS document.

Information on likely routes of exposure

Eyes	Irritating to eyes. Avoid contact with eyes.
Skin	Irritating to skin. May cause allergic skin reaction. Avoid contact with skin.
Inhalation	May cause irritation of respiratory tract. Avoid breathing vapor or mist.
Ingestion	Harmful if swallowed. Do not take internally.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

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

Irritation	Skin, rabbit: Mild skin irritation; Eye, rabbit: Mild eye irritation
Serious eye damage/irritation	No information available.
Skin Corrosion/Irritation	No information available.
Sensitization	May cause allergic skin reaction.
Reproductive Effects	No information available.
Mutagenic Effects	No information available.
Developmental Effects	No information available.
STOT - single exposure	May cause respiratory irritation.
STOT - Repeated Exposure	No information available.
Chronic Toxicity	Avoid repeated exposure. California Proposition 65.
Target Organ Effects	Eyes, Skin, Respiratory system.
Aspiration Hazard	No information available.

12. ECOLOGICAL INFORMATION

Persistence/Degradability	No information available.
Bioaccumulation/Accumulation	No information available.
Mobility in Soil	No information available.
Other adverse effects	No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Methods	Contact waste disposal services. Dispose of it in accordance with local regulations.
Contaminated Packaging	Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG	Not regulated
RID	Not regulated
ADR	Not regulated
AND	Not regulated

15. REGULATORY INFORMATION

International Inventories

Australia (AICS)	Complies
Canada (DSL)	Complies
Canada (NDSL)	No (4,4-Methylenebis (N-Sec-Butylaniline)
China (IECSC)	Complies
EU (EINEC/ELINCS)	Complies
JAPAN (ENCS)	Complies
KOREA (KECI)	Complies
USA (TSCA)	Complies
TAIWAN (TCSI)	Complies
MEXICO (INSQ)	No (4,4-Methylenebis (N-Sec-Butylaniline)
Philippines (PICCS)	Complies

Toxic Substances Control Act (TSCA):

All the ingredients of this mixture are registered on the TSCA Chemical Substance Inventory.

16. OTHER INFORMATION

MANUFACTURER DISCLAIMER:

Initial Issuing Date 17-Feb-2005

Revision (v.15) Date 20-Aug-2026

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.