

SAFETY DATA SHEET

In accordance with amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1 : Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Fabric over foam : 51N, 51Y

1.2. Relevant identified uses of the substance or mixture and uses advised against

For normal Industrial use

1.3. Details of the supplier of the safety data sheet

Manufacturer : Laird Performance Materials

Address : Building 1, Dejin Industrial Park, Fuyuanyi Road, Fuyong Town, Bao An District, Shenzhen, Guangdong 518103 China

Website : <https://www.laird.com/>

1.4. Emergency telephone number

+1-866-928-8181 (America and global support)

+86-755-2714-1166 (China)

+49 8031 2460 0 (Europe)

SECTION 2 : Hazards identification

2.1. Classification of the substance or mixture

Acc. Regulation (EC) Nr. 1272/2008

Skin Sens. Cat.1 H317

Acc. Directive 67/548/EEEC

Carc. Cat. 3; R40

R 43

R52-53

2.2. Label elements

Not applicable.

2.3. Other hazards

Hazard statements

H317 May cause an allergic skin reaction

Precautionary statements

P281 Use personal protective equipment as required.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

SECTION 3 : Composition/information on ingredients

Ingredient	CAS No.	Wt. Percentage(%)
Polyester	25038-59-9	20-30
Nickel*#	7440-02-0	1.0-2.5
Copper*	7440-50-8	4-12
Proprietary polyurethane resin ⁺	No available CAS number	22-40
Phosphorous flame retardant	68333-79-9	6-15
Acrylic pressure sensitive adhesive ⁺	No available CAS number	3-10 [^]
Polyurethane foam	9009-54-5	20-30 [^]

*Hazardous chemical(s) under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

#National Toxicology Program (NTP) and International Agency for Research on Cancer (IARC) listed carcinogen.

+The specific chemical identity is being withheld because it is trade secret information of Laird Technologies.

[^]Based on 5mm(width)x5mm(height).

SECTION 4 : First aid measures

4.1. Description of first aid measures

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Inhalation : Not applicable under normal conditions of use.

Ingestion : Not specifically applicable.

Skin : Not specifically applicable.

Eyes : Not specifically applicable.

If swallowed : Not specifically applicable.

In any case, seek medical advice ASAP.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1.

4.3. Indication of any immediate medical attention and special treatment required

Not applicable.

SECTION 5 : Firefighting measures

5.1. Extinguishing media

Extinguishing Media : Carbon dioxide gas, sand/earth, regular foam, water.

Special Fire Fighting Procedures : Wear self-contained breathing apparatus and protective clothing to prevent contact with skins and eyes.

Unusual Fire Hazards : Any chemical can be forced to burn by continuous application or intense heat.

5.2. Special hazards arising from the substance or mixture

None inherent in this product. During combustion, hydrocarbon, carbon monoxide, or carbon dioxide may arise from the substance.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skins and eyes. No unusual fire or explosion hazards are anticipated.

SECTION 6 : Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not applicable.

6.2. Environmental precautions

Not applicable.

6.3. Methods and material for containment and cleaning up

Leaks and Spills : Swept up and place into specified containers for disposal.

Large Spillage : Incineration or landed in accordance with local state regulation

Protective Equipment : None

6.4. Reference to other sections

Refer to Section 8 and Section 13.

SECTION 7 : Handling and storage

7.1. Precautions for safe handling

This product does not require any specific handling procedure.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, and open flame.

7.3. Specific end use(s)

Not applicable.

SECTION 8 : Exposure controls/personal protection

8.1 Control parameters

Copper

OSHA Permissible Exposure Limit (PEL):

General Industry: 1 mg/m³ TWA

Construction Industry: 1 mg/m³ TWA

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value

(TLV): 1 mg/m³ TWA

National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limit

(REL): 1 mg/m³ TWA

Nickel

OSHA Permissible Exposure Limit (PEL):

General Industry: 1 mg/m³ TWA

Construction Industry: 1 mg/m³ TWA

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value

(TLV): 1.5 mg/m³ TWA

National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limit

(REL): 0.015 mg/m³ TWA

8.2. Exposure controls

Eye protection : not required.

Skin/hand protection : Wear suitable gloves when causing irritants in contact with skin.

Respiratory protection : : not required.

SECTION 9 : Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Specific Physical Form : Foam-like compressible pieces.

pH : Not applicable.

Boiling point/freezing point : Not applicable.

Melting point : Not applicable.

Flammability (solid, gas) : UL94V-0 rating

Melting point/freezing point : Not applicable.

Initial boiling point and boiling range : Not applicable.

Flash point : Not applicable.

Evaporation rate : Not applicable.

Flammability (solid, gas) : Not applicable.

Upper/lower flammability or explosive limits : Not applicable.

Relative density : Not applicable.

Solubility(ies) : Not applicable.

Partition coefficient : n-octanol/water : Not applicable.

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not applicable.

Viscosity : Not applicable.

Explosive properties : Not applicable.

Oxidising properties. Explosive properties Not classified

Flash point Not applicable.

9.2. Other information

Ordor : Ordorless

Additional Comments : It should be noted that these physical and chemical data are based on typical measurements obtained from tests on the material, but not intended for use as guaranteed analysis of any specific lot or as specifications for the product.

SECTION 10 : Stability and reactivity

10.1 Reactivity

Not reactive under normal use conditions.

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

No hazardous reaction will occur.

10.4 Conditions to avoid

Heat, spark and any other sources of ignition.

10.5 Incompatible materials

No incompatible materials.

10.6 Hazardous decomposition products

This product may occur as a result of combustion, oxidation, heating, or reaction with another material.

SECTION 11 : Toxicological information

11.1. Information on toxicological effects

This product will not present any health hazard under normal use conditions.

Acute toxicity : Not applicable.

Skin corrosion/irritation : Not applicable.

Serious eye damage/irritation : Sharp off-cuts may cause eye damage.

Respiratory or skin sensitization : Not applicable.

Germ cell mutagenicity : Not applicable.

Carcinogenicity : Not applicable.

Reproductive toxicity : Not applicable.

STOT-single exposure : Not applicable.

STOT-repeated exposure : Not applicable.

Aspiration hazard : Not applicable.

SECTION 12 : Ecological information

12.1. Toxicity

Acute aquatic hazard : Not acutely toxic.

Chronic aquatic hazard : Not chronically toxic to aquatic life.

12.2. Persistence and degradability

No information available .

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

On the basis of data concerning degradation and bio accumulation, no environmental harm can be ruled out.

SECTION 13 : Disposal considerations

13.1 Waste treatment methods

The product can be land filled. Disposal should be in accordance with local & state regulation.

SECTION 14 : Transport information

Not dangerous by any mode of international transport.

SECTION 15 : Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not applicable.

15.2. Chemical safety assessment

Hazardous Symbol : None

Risk Phrase : May cause sensitization by long-term skin contact.

Safety Phrase : Handle in good industrial hygiene practice.

SECTION 16 : Other information**R-phrases**

R40 Limited evidence of a carcinogenic effect.

R 43 May cause sensitisation by skin contact.

R52-53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

S37 Wear suitable gloves

Hazard Statements

H317 May cause an allergic skin reaction

Precautionary Statements

P281 Use personal protective equipment as required.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

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P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

Use : For general industrial application.

DISCLAIMER: The information given in this Safety Data Sheet is based on our present knowledge of the product at the time of publication and is given in good faith. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose than that for which it was intended. It is the sole responsibility of the user to take all precautions in handling the product. We cannot guarantee that the risks referred to above are the only risks present. The final choice of the application of a product is thus the sole responsibility of the user.

Revision Description	Revision Number	Revise Date
Modified LT-MSDS-005 in accordance with amending Regulation (EU) No 1907/2006.	A	June 30, 2015

Note : This has been reviewed on Mar.16,2020. No change.