

## 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

Noise Suppression Absorber  
NS1005C,NS1010C,NS1020C,NS1030C,NS1040C,NS1050C;  
NS1005F,NS1010F,NS1020F,NS1030F,NS1040F,NS1050F;  
NS1005H,NS1010H,NS1020H,NS1030H,NS1040H,NS1050H.

#### 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 Technologies Shenzhen  
Address : Building 1,Dejin Industrial Park, Fuyuanyi Road,Bao An District Shenzhen  
Website : www.lairdtech.com

#### 1.4. Emergency telephone number

+1-866-928-8181 (Global) / +86-755-2714-1166 (China)

### SECTION 2 : Hazards identification

#### 2.1. Classification of the substance or mixture

This material is not classified as hazardous according to Regulation (EC) No. 1272/2008, as amended, on classification, labelling, and packaging of substances and mixtures.

#### 2.2. Label elements

Not applicable.

#### 2.3. Other hazards

Not applicable.

### SECTION 3 : Composition/information on ingredients

Ingredient	CAS No.	Wt. Percentage(%)
Polyurethane Polymer	No available CAS number	24-35
Iron	7439-89-6	60-65
Silicon	7440-21-3	3-7
Aluminum	7429-90-5	2-4

\*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

### 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 : Remove victim to fresh air. Provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Seek medical attention. Metal fume fever may be treated by bed rest and administering a pain fever reducing medication.

Ingestion : Do not induce vomiting. Rinse mouth. Administer Hemlich Maneuver if victim is choking. Harmful if swallowed. Seek medical attention.

Skin : For skin contact, wipe away excess material with dry towel. Then wash affected areas with plenty of water, and soap if available, for several minutes. If mechanical abrasion has occurred, seek medical attention. Seek medical attention if irritation occurs. Remove contaminated clothing and launder before reuse.

Eyes : First rinse with plenty of water for at least 15 minutes (remove contact lenses if easily possible) then seek medical attention.

Medical Treatment : Treat symptoms and eliminate overexposure

#### **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 : Water fog, carbon dioxide, foam, dry chemical.

Special Fire Fighting Procedures : Firefighters should wear full protective clothing including a positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

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 : For spills involving finely divided particles, clean-up personnel should be protected against contact with eyes and skin. If material is in a dry state, avoid inhalation of dust. Fine, dry material should be removed by wet sweeping methods to prevent spreading of dust. Avoid using compressed air. Do not release into sewers or waterways. Collect material in appropriate, labeled

containers for recovery or disposal in accordance with federal, state, and local regulations. 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

Not applicable.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep in cool, dry, ventilated storage and in closed containers. Keep liquid and vapor away from heat, sparks, and open flame.

#### 7.3. Specific end use(s)

Wear appropriate protective equipment. Avoid contact with eyes, skin, and clothing. Use in well ventilated area. Operations with the potential for generating high concentrations of airborne particulates should be evaluated and controlled as necessary.

### SECTION 8 : Exposure controls/personal protection

#### 8.1 Control parameters

Iron  
Silicon  
Aluminum

#### 8.2. Exposure controls

Eye protection : Wear safety glasses or goggles to protect against exposure.

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

Respiratory protection : : Use NIOSH/OSHA approved respirators according to recommendations of concentration provided by NIOSH and OSHA guidelines. In operations where the exposure limits can be exceeded, wear a NIOSH approved respirator selected by a technically qualified person. If a respirator is worn, OSHA requires compliance with its respiratory protection program(19 CFR 1910.134).

### SECTION 9 : Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state :Solid

Specific Physical Form : Sheet.

pH : Not applicable.

Boiling point/freezing point : Not applicable.

Melting point : Not applicable.

Flammability (solid, gas) : Not classified

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. Vapour pressure : Not applicable.  
Vapour density : 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

Odor : Odorless

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

Avoid contact with oxidizing agents. Avoid contact with carbon monoxide at temperatures between 50 and 300°C.

### 10.2 Chemical stability

Stable under normal storage and handling conditions.

### 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

Will react with strong acids to form hydrogen. Iron oxide dusts in contact with calcium hypochlorite evolve oxygen and may cause an explosion.

### 10.6 Hazardous decomposition products

Combustion may release: Carbon dioxide, Carbon monoxide, Oxides of Nitrogen, Traces of HCN. Thermal oxidative decomposition of steel products can produce fumes containing oxides of iron, manganese, chromium and other alloying elements.

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**

Do not dump this material into sewers on the ground or into any body of water. 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**

Contact the regional sales team of Laird Technologies for information.

### **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**

**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.

<b>Revision Description</b>	<b>Revision Number</b>	<b>Revise Date</b>
Modified LT-MSDS-0301-A_Absorber NS100C in accordance with amending Regulation (EU) No 1907/2006.	A	March 01 , 2020