

**SAFETY DATA SHEET****WL-130**

Material no.		Version	<b>2.0 / US</b>
Specification	<b>184866</b>	Revision date	<b>07/06/2015</b>
Order Number		Print Date	<b>07/06/2015</b>
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**1. Identification****1.1. Product identifier**

Trade name WL-130

**1.2. Recommended use of the chemical and restrictions on use**

Relevant applications identified Rubber - producing and processing industry

**1.3. Details of the supplier of the safety data sheet**Company Evonik Corporation USA  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
USA

Telephone 973-929-8000

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Email address Product-Regulatory-Services@Evonik.com

**1.4. 24 HOUR EMERGENCY TELEPHONE NUMBERS:****CHEMTREC - US & CANADA:** 800-424-9300**CHEMTREC MEXICO:** 01-800-681-9531**CHEMTREC INTERNATIONAL:** +1 703-527-3887 (collect calls accepted)

Product Regulatory Services : 973-929-8060

**2. Hazards identification****2.1. Classification of the substance or mixture**

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Remarks Not a hazardous substance or mixture.

**2.2. Label elements**

Statutory basis Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Remarks Not a hazardous substance or mixture.

**2.3. Other hazards**

None known

**Silicon dioxide, chemically prepared** A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.**3. Composition/information on ingredients**

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**• Silicon dioxide, chemically prepared** <= 100%

CAS-No. 112926-00-8

Remarks Not a hazardous substance or mixture.

**Other information**

A new CAS , 112926-00-8, has been assigned to Amorphous Precipitated Silica to distinguish it from crystalline. According to EPA this product meets TSCA requirements and is listed on the TSCA Inventory as Silica, CAS 7631-86-9.

**4. First aid measures****4.1. Description of first aid measures****Inhalation**

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

**Skin contact**

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.

**Eye contact**

Rinse eyes thoroughly with plenty of water keeping eyelid open. If symptoms develop, seek medical attention.

**Ingestion**

No adverse effects expected by this route of exposure.

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

None known

**4.3. Indication of any immediate medical attention and special treatment needed**

No hazards which require special first aid measures.

**5. Fire-fighting measures****5.1. Extinguishing media**

Suitable extinguishing media: All extinguishing substances suitable.

Unsuitable extinguishing media: None known.

**5.2. Special hazards arising from the substance or mixture**

None known

**5.3. Advice for firefighters**

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

**6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment.

**6.2. Environmental precautions**

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Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

**6.3. Methods and material for containment and cleaning up**

Sweep up or vacuum up spillage and collect in suitable container for disposal.

**7. Handling and storage****7.1. Precautions for safe handling**

Wash thoroughly after handling. Use with adequate ventilation.

**7.2. Conditions for safe storage, including any incompatibilities****Advice on protection against fire and explosion**

Take precautionary measures against static discharges.

**Storage**

Keep container tightly closed in a dry and well-ventilated place.

**8. Exposure controls/personal protection****8.1. Control parameters**

• Silicon dioxide, chemically prepared		
CAS-No.	112926-00-8 7631-86-9	
Control parameters	5 mg/m <sup>3</sup>	Permissible exposure limit:(OSHA Z1)
type of exposure	Respirable fraction.	
Control parameters	15 mg/m <sup>3</sup>	Permissible exposure limit:(OSHA Z1)
type of exposure	Total dust.	
Control parameters	20millions of particles per cubic foot of air	Time Weighted Average (TWA):(Z3)
Control parameters	0.8 mg/m <sup>3</sup>	Time Weighted Average (TWA):(Z3)
	The exposure limit is calculated from the equation, 80/(%SiO <sub>2</sub> ), using a value of 100% SiO <sub>2</sub> . Lower values of % SiO <sub>2</sub> will give higher exposure limits.	

**8.2. Exposure controls****Personal protective equipment****Respiratory protection**

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

**Hand protection**

Wear protective gloves made of the following materials: material, rubber, leather.

**Eye protection**

Safety glasses with side-shields

**Skin and body protection**

A safety shower and eye wash fountain should be readily available.

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR 1910.132) be conducted before using this product.

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**Hygiene measures**

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work.

To ensure ideal skin protection: use super fatted soaps and skin cream for skin care.

Wash contaminated clothing before re-use.

**Protective measures**

Handle in accordance with good industrial hygiene and safety practice.

If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

**9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

physical state	solid
Colour	white
Form	powder
Odour	odourless
Odour Threshold	no data available
pH	ca. 6.3 (50 g / l) (20 °C) (suspension)
Melting point/range	ca. 1700 °C
Boiling point/range	not applicable
Flash point	not applicable
Evaporation rate	no data available
Flammability (solid, gas)	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	not applicable
Density	ca. 2 g/cm <sup>3</sup> (20 °C)
Water solubility	insoluble
Partition coefficient: n-octanol/water	no data available
Autoignition temperature	not applicable
Thermal decomposition	> 2000 °C
Viscosity, dynamic	not applicable

**9.2. Other information**

Minimum ignition energy no data available

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**10. Stability and reactivity****10.1. Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

Stability	Product will not undergo hazardous polymerization.
Possibility of hazardous reactions	Reaction with water, acids and alkaline solutions. Formation of ethanol.

**10.4. Conditions to avoid**

no data available

**10.5. Incompatible materials**

no data available

**10.6. Hazardous decomposition products**

None known

This product is stable under normal storage conditions.

**11. Toxicological information****11.1. Information on toxicological effects**

Acute oral toxicity	LD50 Rat: > 10000 mg/kg Method: literature
Acute dermal toxicity	LD50 Rabbit: > 5000 mg/kg Method: literature
Skin irritation	Rabbit / literature not irritating
Eye irritation	Rabbit / literature not irritating
Repeated dose toxicity	Oral no negative effects  inhalative No irreversible changes and no indication of silicosis.
Genotoxicity in vivo	no evidence of mutagenic effects literature
Mutagenicity assessment	In vitro and in vivo experiments, no evidence of mutagenic effects, literature.
Carcinogenicity	no negative effects

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carcinogenicity assessment      Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.

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**12. Ecological information****12.1. Toxicity**

*No ecotoxicological studies are available on the mixture.*

Toxicity to fish                      no data available

Toxicity in aquatic                      EC50 Daphnia magna: > 10000 mg/l / 24 h  
invertebrates                      Method: OECD 202

**12.2. Persistence and degradability**

Biodegradability                      Result: Not readily biodegradable.

**12.3. Bioaccumulative potential**

Bioaccumulation                      no data available

**12.4. Mobility in soil**

Mobility                                  No data available

**12.5. Other adverse effects**

Further Information                      No further information available

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**13. Disposal considerations****13.1. Waste treatment methods****Product**

Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method.

**Uncleaned packaging**

Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

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**14. Transport information**

**Not dangerous according to transport regulations.**

14.1. UN number:                                  --  
14.2. UN proper shipping name:                      --  
14.3. Transport hazard class(es):                      --

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- 14.4. Packing group: --
- 14.5. Environmental hazards (Marine pollutant): --
- 14.6. Special precautions for user: Yes  
Not dangerous according to transport regulations.

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**15. Regulatory information****US Federal Regulations****OSHA**

If listed below, chemical specific standards apply to the product or components:

- None listed

**Clean Air Act Section (112)**

If listed below, components present at or above the de minimus level are hazardous air pollutants:

- None listed

**CERCLA Reportable Quantities**

If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

- None listed

**SARA Title III Section 311/312 Hazard Categories**

The product meets the criteria only for the listed hazard classes:

- No SARA Hazards

**SARA Title III Section 313 Reportable Substances**

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- None listed

**Toxic Substances Control Act (TSCA)**

If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of TSCA:

- None listed

**State Regulations****California Proposition 65**

A warning under the California Drinking Water Act is required only if listed below:

- None listed

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An employer using HMIS/NFPA labeling must through training ensure that its employees are fully aware of the hazards of the chemicals used.

**HMIS Ratings**

Health :	1
Flammability :	0
Physical Hazard :	0

**NFPA Ratings**

Health :	1
Flammability :	0
Reactivity :	0

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**16. Other information****Further information**

Revision date 07/06/2015

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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**Legend**

<b>ACC</b>	American Chemistry Council
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ACS</b>	Advisory Committee on Sustainability
<b>ADI</b>	Acceptable Daily Intake
<b>ASTM</b>	American Society for Testing and Materials
<b>ATP</b>	Adaptation to Technical Progress
<b>BCF</b>	Bioconcentration factor
<b>BOD</b>	Biochemical oxygen demand
<b>c.c.</b>	closed cup
<b>CAO</b>	Cargo Aircraft Only
<b>Carc</b>	Carcinogen
<b>CAS</b>	Chemical Abstract Services
<b>CDN</b>	Canada
<b>CEPA</b>	Canadian Environmental Protection Act
<b>CERCLA</b>	Comprehensive Environmental Response – Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>CMR</b>	carcinogenic-mutagenic-toxic for reproduction
<b>COD</b>	Chemical oxygen demand
<b>DIN</b>	German Institute for Standardization
<b>DMEL</b>	Derived minimum effect level
<b>DNEL</b>	Derived no effect level
<b>DOT</b>	Department of Transportation
<b>EC50</b>	half maximal effective concentration
<b>EPA</b>	Environmental Protection Agency
<b>ErC50</b>	Reduction of Growth Rate
<b>ERG</b>	Emergency Response Guide Book
<b>FDA</b>	Food and Drug Administration
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
<b>GLP</b>	Good Laboratory Practice
<b>GMO</b>	Genetic Modified Organism
<b>HCS</b>	Hazard Communication Standard
<b>HMIS</b>	Hazardous Materials Identification System
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IBC</b>	Intermediate Bulk Container
<b>ICAO-TI</b>	International Civil Aviation Organization- Technical Instructions
<b>ICCA</b>	International Council of Chemical Association
<b>ID</b>	Identification number
<b>IMDG</b>	International Maritime Dangerous Goods
<b>IUPAC</b>	International Union of Pure and Applied Chemistry
<b>ISO</b>	International Organization For Standardization
<b>LC50</b>	50 % Lethal Concentration
<b>LD50</b>	50 % Lethal Dose
<b>L(EC50)</b>	LC50 or EC50
<b>LOAEL</b>	Low est observed adverse effect level
<b>LOEL</b>	Low est observed effect level
<b>MARPOL</b>	International Convention for the Prevention of Pollution from Ships
<b>NFPA</b>	National Fire Protection Association
<b>NOAEL</b>	No observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>o. c.</b>	open cup
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PBT</b>	Persistent, bioaccumulative, toxic
<b>PEC</b>	Predicted effect concentration
<b>PNEC</b>	Predicted no effect concentration
<b>RQ</b>	Reportable Quantity
<b>SDS</b>	Safety Data Sheet
<b>STOT</b>	Specific Target Organ Toxicity
<b>UN</b>	United Nations
<b>vPvB</b>	very persistent, very bioaccumulative

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**voc** volatile organic compounds  
**WHMIS** Workplace Hazardous Materials Information System  
**WHO** World Health Organization