

TIG830SP-10P-UN/CAN/22LB-10KG (ME)

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

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

1.1 Product identifier

Product name: TIG830SP-10P-UN/CAN/22LB-10KG (ME)

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

Identified uses: For industrial use only.

Uses advised against: Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Importer/Distributor Information : Momentive Performance Materials
B-3, Sipcot Industrial Growth Center,
Oragadam, Sriperumbudur
IN - Kancheepuram Dist - 602105

Contact person : MomentiveEMEA.productsteward@momentive.com

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00800.4321.1000 (Customer Service Centre)

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(0) 1235239671

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Environmental Hazards

Acute hazards to the aquatic environment Category 1 H400: Very toxic to aquatic life.

Chronic hazards to the aquatic environment Category 1 H410: Very toxic to aquatic life with long lasting effects.

2.2 Label Elements



Signal Words: Warning

Hazard Statement(s): H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement

Response: P391: Collect spillage.

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Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Unknown toxicity - Environment

Acute hazards to the aquatic environment 0 %
Chronic hazards to the aquatic environment 0 %

Additional Information: No data available.

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Zinc oxide	25 - <50%	1314-13-2	215-222-5	No data available.	No data available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	Notes
Zinc oxide	Aquatic Acute: 1: H400Aquatic Chronic: 1: H410	No data available.

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur.

4.1 Description of first aid measures

Inhalation: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water. Get medical attention if symptoms occur.

Skin Contact: After contact with skin, remove product mechanically. Get medical attention if symptoms occur.

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Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed: None known.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: This product is not expected to produce adverse effects under normal conditions of use and appropriate personal hygiene.

Treatment: If swallowed, do NOT induce vomiting. Give a glass of water.

SECTION 5: Firefighting measures

General Fire Hazards: Use standard firefighting procedures and consider the hazards of other involved materials.

5.1 Extinguishing media
Suitable extinguishing media: All standard extinguishing agents are suitable.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture: In case of fire, carbon monoxide and carbon dioxide may be formed.

5.3 Advice for firefighters
Special fire fighting procedures: Keep away from sources of ignition - No smoking. Use only in well-ventilated areas. Static discharge: material can accumulate static charges which may cause an incendiary electrical discharge.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep container tightly closed and in a well-ventilated place. Do not taste or swallow. See Section 8 of the SDS for Personal Protective Equipment. Ground container and transfer equipment to eliminate static electric sparks.

6.2 Environmental Precautions: Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up: Shovel up and place in a container for salvage or disposal. Caution: Contaminated surfaces may be slippery.

6.4 Reference to other sections: No data available.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Use only in well-ventilated areas. Wear appropriate personal protective equipment. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke.

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7.2 Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a cool, well-ventilated place.

7.3 Specific end use(s): No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
ALUMINIUM POWDER (PYROPHORIC) - Inhalable dust.	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
ALUMINIUM POWDER (PYROPHORIC) - Respirable dust.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

Biological Limit Values

None.

8.2 Exposure controls

Appropriate Engineering Controls:

Eyewash bottle with clean water. Use only in well-ventilated areas. Observe good industrial hygiene practices.

Individual protection measures, such as personal protective equipment

General information:

Eyewash bottle with clean water. Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Wash hands after handling.

Eye/face protection:

Safety glasses with side-shields conforming to EN166

Skin protection

Hand Protection:

Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

Other:

Wear suitable protective clothing and eye/face protection.

Respiratory Protection:

Use only in well-ventilated areas.

Hygiene measures:

Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat, drink or smoke.

Environmental exposure controls:

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:

solid

Form:

Paste

Color:

Gray

Odor:

Faint

Odor Threshold:

No data available.

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pH:	No data available.
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	ca. 350 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	2,9 g/cm ³ (25 °C)
Relative density:	ca. 2,8
Solubility(ies)	
Solubility in Water:	Insoluble
Solubility (other):	Insoluble
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No decomposition if stored and applied as directed.
SADT:	No data available.
Viscosity, dynamic:	330.000 mPa·s (23 °C)
Viscosity, kinematic:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	No data available.
10.3 Possibility of hazardous reactions:	Hazardous polymerisation does not occur.
10.4 Conditions to avoid:	None known.
10.5 Incompatible Materials:	None known.
10.6 Hazardous Decomposition Products:	Carbon oxides Oxides of silicon. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

SECTION 11: Toxicological information

General information:	Experience has shown, that the above mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.
Information on likely routes of exposure	
Inhalation:	No data available.
Ingestion:	No data available.

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Skin Contact: No data available.

Eye contact: No data available.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: Not classified for acute toxicity based on available data.

Specified substance(s)
Zinc oxide LD 50 (Rat): 5.000 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.

Specified substance(s)
Zinc oxide No data available.

Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s)
Zinc oxide No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)
Zinc oxide No data available.

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)
Zinc oxide No data available. (Rabbit): No skin irritation

Serious Eye Damage/Eye Irritation:

Product: No data available.

Specified substance(s)
Zinc oxide No data available. (Rabbit): slightly irritating (not classified according to the German Dangerous Substances legislation)

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)
Zinc oxide No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)
Zinc oxide No data available.

In vivo

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Product:	No data available.
Specified substance(s) Zinc oxide	No data available.
Carcinogenicity	
Product:	No data available.
Specified substance(s) Zinc oxide	No data available.
Reproductive toxicity	
Product:	No data available.
Specified substance(s) Zinc oxide	No data available.
Specific Target Organ Toxicity - Single Exposure	
Product:	No data available.
Specified substance(s) Zinc oxide	No data available.
Specific Target Organ Toxicity - Repeated Exposure	
Product:	No data available.
Specified substance(s) Zinc oxide	No data available.
Aspiration Hazard	
Product:	No data available.
Specified substance(s) Zinc oxide	No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product:	No data available.
Specified substance(s) Zinc oxide	LC50 (Zebra Fish, 96 h): 1.793 mg/l Fresh water

Aquatic Invertebrates

Product:	No data available.
Specified substance(s) Zinc oxide	EC50 (Daphnia magna, 48 h): 2,6 mg/l (OECD Test Guideline 202) Fresh water

Chronic Toxicity

Fish

Product:	No data available.
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Specified substance(s)

Zinc oxide No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Zinc oxide No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Zinc oxide NOEC (Algae (*Pseudokirchneriella subcapitata*), 72 h): 24 mg/l (OECD Test Guideline 201)
IC50 (Algae (*Pseudokirchneriella subcapitata*), 72 h): 136 mg/l (OECD Test Guideline 201)

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Zinc oxide No data available.

BOD/COD Ratio

Product No data available.

Specified substance(s)

Zinc oxide No data available.

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Zinc oxide No data available.

12.4 Mobility in Soil:

No data available.

Known or predicted distribution to environmental compartments

Zinc oxide No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

Zinc oxide No data available.

12.6 Other Adverse Effects:

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: Can be incinerated when in compliance with local regulations.

SECTION 14: Transport information

TIG830SP-10P-UN/CAN/22LB-10KG (ME)**ADR**

14.1 UN Number:	UN 3077
14.2 UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)
14.3 Transport Hazard Class(es)	
Class:	9
Label(s):	9
Hazard No. (ADR):	90
Tunnel restriction code:	(E)
14.4 Packing Group:	III
Limited quantity	5,00KG
Excepted quantity	E1
14.5 Environmental Hazards:	Environmentally hazardous
Marine Pollutant	Yes

ADN

14.1 UN Number:	UN 3077
14.2 UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)
14.3 Transport Hazard Class(es)	
Class:	9
Label(s):	9
Hazard No. (ADR):	—
14.4 Packing Group:	III
Limited quantity	5,00KG
Excepted quantity	E1
14.5 Environmental Hazards:	Environmentally hazardous
Marine Pollutant	Yes

RID

14.1 UN Number:	UN 3077
14.2 UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)
14.3 Transport Hazard Class(es)	
Class:	9
Label(s):	9
14.4 Packing Group:	III
14.5 Environmental Hazards:	Environmentally hazardous
Marine Pollutant	Yes

IMDG

14.1 UN Number:	UN 3077
14.2 UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(zinc oxide)
14.3 Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-F
14.4 Packing Group:	III
Limited quantity	5,00KG

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Excepted quantity E1

14.5 Environmental Hazards: Environmentally hazardous
Marine Pollutant: Yes

IATA

14.1 UN Number: UN 3077
14.2 Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.(zinc oxide)
14.3 Transport Hazard Class(es):
Class: 9
Label(s): 9MI
14.4 Packing Group: III
Cargo aircraft only Packing 956
Instructions:
Passenger and cargo aircraft 956
Packing Instructions:
Limited quantity: 30,00KG
Packing Instructions: Y956

Excepted quantity E1

14.5 Environmental Hazards: Environmentally hazardous
Marine Pollutant: Yes

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

not applicable

SECTION 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 689/2008 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

Chemical name	CAS-No.	Concentration
ALUMINIUM POWDER (PYROPHORIC)	7429-90-5	40 - 50%

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:

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none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
ALUMINIUM POWDER (PYROPHORIC)	7429-90-5	40 - 50%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

Inventory Status

Australia AICS:	n (Negative listing)
EU EINECS List:	y (positive listing)
Japan (ENCS) List:	y (positive listing)
China Inventory of Existing Chemical Substances:	q (quantity restricted)
Korea Existing Chemicals Inv. (KECI):	n (Negative listing)
Canada DSL Inventory List:	n (Negative listing)
Canada NDSL Inventory:	n (Negative listing)
Philippines PICCS:	n (Negative listing)
US TSCA Inventory:	y (positive listing)
Taiwan. Taiwan inventory (CSNN):	y (positive listing)

SECTION 16: Other information

Revision Information: Not relevant.

Key literature references and sources for data: No data available.

Wording of the H-statements in section 2 and 3

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.

1, H400
Aquatic Chronic 1, H410

Issue Date: 12.07.2016

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Disclaimer:

Notice to reader

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Further Information

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.

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