

SAFETY DATA SHEET

Actmix ZnO-80GE



according to Regulation (EC) No 1907/2006
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

--Pre-dispersed rubber Chemicals--

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

1.1. Product identifier

Product Name Rubber Accelerator

Product Model Actmix ZnO-80GE

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

Recommended Use Used as Rubber activator in synthetic rubber.

Uses advised against No information available

1.3. Details of supplier of the safety data sheet

Supplier(Only representative) Chemical Inspection & Regulation Service Limited

Supplier NINGBO ACTMIX RUBBER CHEMICALS CO.,LTD

Address NO.261, HUANGJIPU RD.,HIGH-TECH PARK

JIANGBEI DISTRICT, NINGBO, CHINA

Postal Code 315034

Phone +86-574-81880068

E-mail actmix@actmix.cn

1.4. Emergency telephone number

+353 41 980 6916

Available outside office hours? Yes NO

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic environment: Category 1, H410.

2.2. Label elements

Symbols/Pictograms



Signal word Warning

Hazard Statements H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements P273 - Avoid release to the environment.

P391- Collect spillage.

P501- Dispose the contents / container processing in accordance with local regulations.

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1 Mixture

Chemical	EC No.	Weight (%)	Classification according to Regulation (EC) No.
----------	--------	------------	---

SAFETY DATA SHEET

Actmix ZnO-80GE



according to Regulation (EC) No 1907/2006
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

--Pre-dispersed rubber Chemicals--

Name	CAS NO. Registration No.		1272/2008 [CLP]
Zinc Oxide	215-222-5 1314-13-2 01-2119463881-32-XXX X	80	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Polymer binder, Dusting agent	---	20	Not classified

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Consult a doctor. Show this safety data sheet to doctor on the scene.

Inhalation

Transfer the victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact

Take off contaminated clothing and shoes. Wash off with soap and plenty of water. Send the patient to the hospital immediately. Consult a doctor.

Eye contact

Rinse thoroughly with plenty of water for 15 minutes and consult a doctor.

SECTION 5: Firefighting measures

5.1. Hazardous combustion products

Oxides of carbon, oxides of nitrogen, sulfide.

5.2. Extinguishing media

Suitable extinguishing media

Dry powder, foam, sand, carbon dioxide, water spray.

5.3. Protective equipment for firefighters

If necessary, firefighters should wear self-contained breathing apparatus while firefighting.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas

Ensure adequate ventilation, especially in confined areas

Avoid creating dust

Do not breathe dust/fume/gas/mist/vapors/spray

Remove all sources of ignition

Avoid contact with eyes and skin

Use personal protection recommended in Section 8

6.2. Environmental precautions

Avoid release to the environment

Do not allow into any sewer, underground water or soil

SAFETY DATA SHEET

Actmix ZnO-80GE

according to Regulation (EC) No 1907/2006
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



--Pre-dispersed rubber Chemicals--

6.3. Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal

6.4. Reference to other sections

See Section 7 for more information

See section 8 for more information

See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice

Ensure adequate ventilation, especially in confined areas

Wash contaminated clothing before reuse

Do not breathe dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling

Keep away from heat, sparks, flame and other sources of ignition

Use personal protection recommended in Section 8

7.2. Conditions for safe storage, including any incompatibilities

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

Keep away from heat, sparks, flame and other sources of ignition

Store in accordance with local regulations

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

No established

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls

Engineering Controls

Operation according to the rules of industrial hygiene and safety handling. Guard against damp.

Strengthen ventilation. No smoking, eating and drinking in the workplace. Wash hands before resting and after working.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles) if necessary.

Hand Protection Wear protective gloves when handling.

Skin and body protection Suitable protective clothing.

SAFETY DATA SHEET

Actmix ZnO-80GE



according to Regulation (EC) No 1907/2006
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

--Pre-dispersed rubber Chemicals--

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls

Do not allow into any sewer, underground water or soil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid, granules
Color	White
Odor	Slight odor
Odor Threshold	No information available
pH	Not applicable
Molecular Weight (ZnO)	81.37
Melting point (ZnO)	1975 °C
Boiling point/boiling range	Not applicable
Flash	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	No information available
Vapor Pressure	No information available
Vapor density	No information available
Density	2.95 g/cm ³
Explosive properties	No information available

9.2. Other information

No information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks

10.5. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and fume: oxides of carbon, oxides of nitrogen, sulfide.

SAFETY DATA SHEET

Actmix ZnO-80GE



according to Regulation (EC) No 1907/2006
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

--Pre-dispersed rubber Chemicals--

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Chemical Name	Oral LD ₅₀ (rat)
Zinc Oxide	15000mg/Kg

Skin corrosion/irritation

No information available.

Serious eye damage/eye irritation

No information available.

Sensitization

No information available.

Germ cell mutagenicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

SECTION 12: Ecological information

12.1. Acute toxicity

Cas no.1314-13-2 : Zinc oxide, Very toxic to aquatic life with long lasting effects.

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. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information

SAFETY DATA SHEET

Actmix ZnO-80GE



according to Regulation (EC) No 1907/2006
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

--Pre-dispersed rubber Chemicals--

Regulation	UN No.	Proper shipping goods name	Hazard Class	Label	Package group	Environmental hazards	Special precautions
ADR/ADN	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Zinc oxide,)	9	9	III	YES	
RID	3077		9	9	III	YES	
IATA Cargo	3077		9	9	III	YES	
IATA Passenger	3077		9	9	III	YES	
IMDG	3077		9	9	III	Marine pollution	EMS NO.F-A, S-F Mark:MP

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code: Not applicable.

SECTION 15: Regulatory information

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

European Union

Authorisations: No information available.

Restrictions on use: No information available

Legislation for the substance or mixture

Water hazard class, Category 1: Hazardous to water.

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

Issue Date 16-Feb-2017

Revision date 30-Apr-2021

Full text of the hazard statements pls refer sections 2 and 3.

H410-Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Key or legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterway

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

PBT: Persistent, Bioaccumulative and Toxic

VPvB: Very Persistent and Very Bioaccumulative

SAFETY DATA SHEET

Actmix ZnO-80GE



according to Regulation (EC) No 1907/2006
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

--Pre-dispersed rubber Chemicals--

DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
LC50: Lethal Concentration 50
LD50: Lethal Dose 50
EC50: Effective Concentration 50
TWA: Time Weighted Average
STEL: Short Term Exposure Limit

Key literature references and sources for data

ECHA: <http://echa.europa.eu/>

Disclaimer

The information provided in this Material 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.

----- End of Safety Data Sheet -----