Material Safety Data Sheet

Hangzhou Huaxiong Chemical Co.,Ltd

Trade name：ES 941

Revision date: **08/04/2021**

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Section 1 Chemical product and company identification

Product identifier:

Product name: Dimethicone (and) Dimethicone / Vinyldimethicone Crosspolymer

Trade name: ES 941

Uses of the chemical product:

ES941 is a mixture of dimethicone / dimethicone crosspolymer and low viscosity dimethicone instead of cyclomethicone.

Supplier identifier:

Company name: Hangzhou Huaxiong Chemical Co.,Ltd

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Section 2 Hazards summarizing

Emergency Situation summarizing：

Properties: Clear to slight translucent gel (25℃)

Color: Clear to slight translucent

Smell: Characteristic

Hazards identification: Not a hazardous substance or Mixture GHS

Classification:

The product does not require classification and labelling as hazardous according to GB 30000.2-2013 ~ GB 30000.29-2013.

GHS Label Element:

Not a hazardous substance or mixture. The product does not require classification and labelling as hazardous according to GB 30000-2013. Other Information:

According to the present state of knowledge provided this product is handled correctly, there is no danger to humans or the environment.

Section 3 Composition/information on ingredients

Main ingredient information:

Description of the chemical product: Mixture

Chemical name: Dimethicone (and) Dimethicone / Vinyldimethicone Crosspolymer

Section 4 First aid measures

Description of first aid measures:

If Inhaled: If inhaled, remove to fresh air. Get medical advice/attention.

In case of skin contact: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.

In case of eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

If swallowed: Call in a physician immediately and show him the Safety Data Sheet.

Notes for the doctor: Treat symptomatically.

Water spray jet, dry powder, foam, carbon dioxide (CO_2) or sandy.Specific

Hazards arising from the substance or mixture:

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

Advice for firefighters:

Firefighter should wear appropriate breathing apparatus and protective equipment. Remove from fire to empty place. Cool containers with water spray. Provide adequate ventilation. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear suitable protective equipment. Remove all source of ignition. Avoid contact with skin and eye. Avoid breathing vapors. Ensure adequate ventilation.

Environmental precautions:

Do not allow to enter drains or waterways.

Methods and material for containment and cleaning up:

If available, immediately cut off the source of leaked chemical products. Remove all sources of ignition. Absorb spill with incombustible inert material (eg.dry sand or earth), then place into an airtight container. Avoid runoff into storm sewers and ditches which lead to waterways.

Measures to prevent secondary hazards：

Avoid dust and secondary leakage during cleaning.

Section 7 Handling and storage

Precautions for safe handling：

Operators must receive special training and strictly abide the procedures. Do not handle until all safety precautions have been read and understood. Avoid contact with eye or skin. Avoid breathing dust, fume, gas, mist, vapour or spray. Use personal protective equipment as required. Wear protective gloves, protective clothing, eye protection, face protection. Wash thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting, equipment. Use only non-parking tools. Take precautionary measures against static discharge.

Conditions for safe storage：

Store the product in dry, cool and well-ventilated place. It is recommended to store in the original container and keep the container tightly closed. Keep away from heat/sparks/open flames/hot surfaces.

Section 8 Exposure controls/personal protection

OEL (Occupational exposure limit): no data available

Monitoring methodology: no data available

Engineering control method:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal protective equipment：

Respiratory protection： Keep ventilating, no respiratory protection is required.

Eye protection ： Wear safety glasses; Use eye-wash equipment.

Skin and body protection： Wear protective working clothing and apron.

Hand protection： Use protective gloves.

Section 9 Physical and chemical properties

Appearance： Clear to slight translucent gel

Color： Clear to slight translucent

Viscosity at 25°C (77°F): 250,000 ~ 580,000 mm^2/s

Odour： Characteristic

Water content: ≤0.1%

Boiling point： No data available

Flash point： 77 ℃ (Open cup)

Auto-ignition temperature： No data available

Oxidizing properties ： Not tested

Explosion properties ： Not applicable

Solubility ： Easily soluble in ethanol, ether and other organic solvents

Partition coefficient: Not tested

Density: Not tested

Melting point ： Not tested

Section 10 Stability and reactivity

Chemical Stability： Stable under normal conditions

Possibility of hazardous reactions：

No dangerous reaction known under conditions of normal use.

Conditions to avoid： Not known

Materials to avoid： Oxidizing agent

Hazardous decomposition products： Carbon monoxide (CO)

Hazardous polymerization： No reaction

Section 11 Toxicological information

Acute oral toxicity： Not tested.

Skin corrosion/irritation： Skin contact may cause slight corrosion/irritation

Serious eye damage/ eye irritation： Eye contact may cause damage /irritation

Respiratory or skin sensitization：

Inhalation may cause irritation of the respiratory tract, skin contact can cause skin allergic reaction.

Germ cell mutagenicity: Not classified as germ cell mutagenicity.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

Specific target organ system toxicity –single exposure： No information available.

Specific target organ system toxicity

Repeated exposure: No information available

Repeated dose toxicity: Not tested.

Section 12 Ecological information

Ecological toxicity: It may be toxic to environment, especially water body.

Persistence and degradability: Not tested

Bioaccumulative potential: Not tested

Mobility in soil: Not tested

Section 13 Disposal considerations

Waste treatment methods:

Conform to the standards provided by related laws and local public bodies.

Contaminated packaging:

Recycle containers after cleansing or carry out the disposal according to the related laws, regulations and the standards of the local government.

Section 14 Transport information

UN number (United Nations dangerous goods number):

Not listed in the List of Dangerous Goods. (GB 12268-2012)

Shipping name: No information available

Class: Not listed in the List of Dangerous Goods. (GB 12268-2012)

Packing group: No information available

Label(s) for transport: No information available

Packing methods: Plastic or Iron Drums

Marine pollutant (Yes/No): No

Other information:

Transportation notes: Transport in accordance with non-toxic and non-

hazardous chemicals. The transport vehicles should be equipped with the corresponding variety and quantity of fire equipment and leakage emergency treatment equipment. Make sure that the container does not leak, collapse or damaged during transportation. Mixed Transportation especially mixed with oxidizing agents or food chemicals is strictly prohibited. The products should be protected from rain, blazing sun and high temperature during transportation. Stay away from heat sources during stopovers. Thoroughly clean the transport vehicles after transported.

Section 15 Regulatory information

China regulations：

The following laws/regulation/standards specify corresponding on the safe use, storage,transportation, loading and unloading, classification and labelling of the chemicals.

Rules for classification and labeling of chemicals （GB 30000-2013）

General rule for classification and hazard communication of chemicals

（GB13690 -2009）

General rules for preparation of precautionary label of chemicals

（GB 15258-2009）

Guidelines for implementation of the catalogue of hazardous chemicals

(2015) (Trial)

Classification and code of dangerous goods （GB6944-2012）

Prevention and Control Law of Occupational Diseases of the PRC：

Classification of Hazardous Factors of Occupational Diseases. （2015）: Not listed

Regulations of the safety management of hazardous chemicals:

Directory of hazardous chemicals (2015): Not listed

List of dangerous goods （GB 12268-2012）: Not listed

Regulations on the import and export of toxic chemicals for the first time:

Strict limits toxic chemicals list of china （2018）: Not listed

Environmental management methods for new chemical substances:

IECSC (2013): Listed

Section 16 Other information

Other information:

Observe national and local legal requirements.

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