



北京东科联合技术有限公司

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Material Safety Data Sheet

Date prepared: July,10, 2017

Date revised: N/A (first edition)

Identification of Substance / Preparation and

The company/ Undertaking

Substance or preparation trade name: Stearic Acid #DK1838

Company / Undertaking name & address:

Beijing Dongke United Technologies Co.,LTD

Room2703, Building13, Jianwai SOHO, Chaoyang, Beijing.

Tel: 0086-10-58695969

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Part I: chemical name

Chinese Chemical name: 18 (alkyl) acid

Chemicals English name: Stearic Acid

Molecular formula: C 18 H 36 O 2

MW: 284.48

Part II: COMPOSITION / INFORMATION

Main components: pure

CAS No.: 57-11-4

Part III: HAZARDS IDENTIFICATION

Risk categories:

Health hazards: there is no widespread use of industrial hazards. Individual sources, however, the eyes, skin, mucous membranes and upper respiratory tract have a stimulating effect.

Environmental hazards:

Explosion risk:

Part IV: First Aid Measures

Skin contact: Remove contaminated clothing, rinse with clear water flows.

Eye contact: Did eyelid, mobile or saline irrigation water. Medical treatment.

Inhalation: from the scene to fresh air. If breathing is difficult, give oxygen. Medical treatment.

Fresh into: warm water enough to drink, induce vomiting. Medical treatment.



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Part V: FIRE FIGHTING MEASURES

Hazardous characteristics: case of fire, combustible high fever.

Hazardous combustion products:

Fire fighting methods: firefighters are required to wear gas masks, wearing full-body fire suits, fire in the wind. Fire-extinguishing agent: mist of water, foam, dry powder, carbon dioxide, sand.

Fire Precautions and measures:

Part VI: Leak Emergency Treatment

Emergency treatment: isolation leakage polluted area, restricting access. Cut off the fire source. Recommended emergency personnel wearing a dust mask (full cover), wearing protective clothing. With sand, dry lime or soda ash mixture. Collected in dry, clean, covered containers, transferred to a safe place. If a large number of spills, recycling or shipped to the collection of waste disposal sites.

Part VII: HANDLING AND STORAGE

Handling Precautions:

Storage Note: stored in a cool, ventilated warehouse. Away from fire and heat sources. Should work with oxidants, reducing agents, bases stored separately and avoid mixing reservoir. Equipped with the appropriate variety and quantity of fire equipment. Storage areas should be equipped with appropriate materials asylum leakage.

Part VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

The maximum allowable concentration: China MAC: not established standards; the former Soviet Union MAC: not established standards

Engineering controls: closed operation.

Respiratory protection: dust concentration in air exceeded, they must wear self-absorption filter dust mask. Emergency rescue or evacuation, they should wear air respirator.

Eye protection: Wear protective chemical safety glasses.

Physical protection: wear protective overalls on infiltration.

Hand protection: wear rubber gloves.

Other Protection: Work-site smoking. Pay attention to personal hygiene.



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Part IX: Physical and Chemical Properties

Appearance and Properties: pure product is white with a shiny soft and small pieces.

Melting point (°C): 70-71

Boiling point (°C): 383

Relative density (water = 1): 0.87

Relative vapor density (air = 1): 9.8

Saturated vapor pressure (kPa): 0.13 (173.7 °C)

Flash point (°C): 196

Ignition temperature (°C): 395

Solubility: not soluble in water, slightly soluble in ethanol, soluble in acetone, benzene, soluble in ether, chloroform, carbon tetrachloride and so on.

Main use: used for making cosmetics, surfactants, rubber compounding agents, waterproofing agents, metal soap, softener and so on.

Other physical and chemical properties:

Part X: Stability and reactivity

Avoid contact with conditions:

Cut with material: alkali, oxidizing agents, reducing agents.

Hazardous Polymerization:

Decomposition products:

Part XI: Toxicological Information

Acute toxicity: LD50: Not available, LC50: No Data

Sub-acute and chronic toxicity:

Part XII: Ecological Information

Ecotoxicology toxicity:

Biodegradation:

Non-biodegradable nature:

Bioconcentration or bioaccumulation of:

Other harmful effects:

Part XIII: Waste Disposal

Waste properties:

Waste Disposal Method: Disposal of the former should refer to the relevant national



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and local laws and regulations. The proposed disposal by burning.

Waste Note:

Part XIV: Transport Information

Dangerous Goods Code: no information

UN Number: Not available

Packaging flag:

Packing Group: Z01

Packing Method: Not available.

Transportation Note:

Part XV: REGULATORY INFORMATION

Domestic regulations on Chemical Safety: Chemical Safety Management of

Dangerous Goods Ordinance (February 17, 1987 the State Council issued), the chemical Dangerous Goods Safety Management Regulations implementing rules (of the Labor Fa [1992] No. 677), the provisions of safe use of chemicals in the workplace ([1996] The Ministry has issued No. 423) and other regulations for the safe use of hazardous chemicals, production, storage, transport, handling, etc. are corresponding stipulations.