

Material Safety Data Sheet

MSDS No.: MSDS#681353E

Product Name: Natural Killer Cells Induction Culture Kit 2.0

Initial Date: November 03, 2022

Revision Date: November 03, 2022

Version: 1.0

Section 1- Product And Company Identification

Product identification:

Product code: 6813531/6813532/6813533

Product name: Natural Killer Cells Induction Culture Kit 2.0

Relevant identified uses:

For in vitro expansion culture of human natural killer cells.

Details of the Company:

Company name: Shenzhen Dakewe Bio- engineering Co., Ltd.

Address: Room 702-703, Building No.1, Shenzhen Biomedicine Innovations Industrial Park, No. 14

Jinhui Road, Kengzi Street, Pingshan District, Shenzhen

Telephone: +86-755-86235300

Post code: 518122

E-mail: rd@dakewe.com

Emergency phone:

Emergency call: +86-755-86235300

Section 2- Hazard Description

GHS Classification of substance or mixture:

Non-hazardous substance or mixture.

Label elements:

Hazard pictograms: Not applicable.

Signal word: Not applicable.

Hazard statements: Not applicable.

Other Hazards:

None.

Section 3 - Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

Material Safety Data Sheet

MSDS No.: MSDS#681353E

Product Name: Natural Killer Cells Induction Culture Kit 2.0

Initial Date: November 03, 2022

Revision Date: November 03, 2022

Version: 1.0

Section 4- First Aid Measures

Description of first aid measures:

Skin contact:

Rinse skin with water. Immediate medical attention is not required.

Eyes contact:

Check for and remove any contact lenses, rinse cautiously with water for several minutes.

Inhalation:

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice..

Ingestion:

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material.
Consult a physician if necessary.

Most important acute and delayed symptoms/ effects:

The most important known symptoms and effects are described in section 2 and/or in section 11.

Immediate/ special treatment:

None.

Section 5 - Firefighting Measures

Extinguishing method and extinguishing agent:

Suitable extinguishing agent: Use Water spray, dry sand, dry chemical or CO₂ foam extinguishing.

Unsuitable extinguishing agent: Unknown.

Special hazards arising from the substance or mixture:

Unknown.

Fire precautions and measures:

Standard procedure for chemical fires.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding

Material Safety Data Sheet

MSDS No.: MSDS#681353E

Initial Date: November 03, 2022

Product Name: Natural Killer Cells Induction Culture Kit 2.0

Revision Date: November 03, 2022

Version: 1.0

areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material, avoid slipping. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions:

No special environmental precautions required.

Collecting, clearing method and disposal material:

Take up mechanically, placing in appropriate containers for disposal..

Section 7 - Handling and Storage

Handling precautions:

Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities:

Storage temperature: 2°C to 8°C & -80°C to -20°C. Keep in properly labeled containers

Section 8- Exposure Controls/ Personal Protection

Exposure limit:

There is no known exposure limits prescribed by the state.

Engineering control:

None required. However, use of adequate ventilation is good industrial practice.

Personal protection:

Respiratory protection:

If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

Eye protection:

Wear safety glasses when there is a potential for eye contact.

Skin and body protection:

Suitable protective clothing.

Hands protection:

Material Safety Data Sheet

MSDS No.: MSDS#681353E

Initial Date: November 03, 2022

Product Name: Natural Killer Cells Induction Culture Kit 2.0

Revision Date: November 03, 2022

Version: 1.0

Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

Other protection:

Handle in accordance with good industrial hygiene and safety practice.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance:	liquid
Odor:	No data available/Not applicable
Melting point 1 freezing point(°C):	No data available/Not applicable
Boiling point(°C):	No data available/Not applicable
Flash point(Closed cup, °C);	No data available/Not applicable
Steam pressure(20°C, Pa):	No data available/Not applicable
Relative density (water=1, 25°C):	No data available/Not applicable
Partition coefficient: n-octanol/water.	No data available/Not applicable
Decomposition temperature(°C):	No data available/Not applicable
Explosion limit:	Non explosive
Vapor density:	No data available/Not applicable
Water soluble:	Soluble in water
Ignition point(°C):	No data available/Not applicable
Flammability (solid, gas):	No data available/Not applicable
Oxidizing properties:	No data available/Not applicable

Other safety information

No data available/Not applicable

Section 10 - Stability and Reactivity

Stability:

Stable under normal conditions

Reactivity:

None known.

Material Safety Data Sheet

MSDS No.: MSDS#681353E

Product Name: Natural Killer Cells Induction Culture Kit 2.0

Initial Date: November 03, 2022

Revision Date: November 03, 2022

Version: 1.0

Incompatible materials:

No dangerous reaction known under conditions of normal use.

Conditions to avoid:

No information available.

Hazardous polymerization:

No information available.

Hazardous decomposition products:

No information available.

Section 11 - Toxicological Information

Information on hazard classes as defined in Regulation (EC) No 1272/2008

There is no evidence available indicating acute toxicity.

Acute toxicity:

Data are conclusive but insufficient for classification.

Skin corrosion/irritation:

Data are conclusive but insufficient for classification.

Eye corrosion/irritation:

Data are conclusive but insufficient for classification.

Respiratory or skin sensitization

Data are conclusive but insufficient for classification.

Gen cell mutagenicity:

Data are conclusive but insufficient for classification.

Carcinogenicity:

Data are conclusive but insufficient for classification.

Reproductive toxicity:

Data are conclusive but insufficient for classification.

Specific target organ toxicity - single exposure:

Data are conclusive but insufficient for classification.

Specific target organ toxicity - repeated exposure:

Material Safety Data Sheet

MSDS No.: MSDS#681353E

Product Name: Natural Killer Cells Induction Culture Kit 2.0

Initial Date: November 03, 2022

Revision Date: November 03, 2022

Version: 1.0

Data are conclusive but insufficient for classification.

Aspiration hazard:

Data are conclusive but insufficient for classification.

Section 12 - Ecological Information

Ecotoxicity values:

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability:

No information available.

Bioaccumulative potential:

No information available.

Mobility in soil:

No information available.

Other adverse effects:

No information available.

Section 13-Disposal Considerations

Residual waste:

The generation of waste should be avoided or minimized wherever possible. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system.

Contaminated packaging:

Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible or sell to recycling companies. It is recommended to send it to the garbage dump for incineration or landfill when it is not recyclable.

Disposal considerations:

Processing, use or contamination of this product may change the waste management options.

Dispose of container and unused contents in accordance with national and local relevant regulations laws.

Material Safety Data Sheet

MSDS No.: MSDS#681353E

Product Name: Natural Killer Cells Induction Culture Kit 2.0

Initial Date: November 03, 2022

Revision Date: November 03, 2022

Version: 1.0

Section 14 -Transport Information

The products are not subject to ADR, RID, AND, IMDG and IATA DGR.

UN number:

Not regulated

UN proper shipping name:

Not regulated

Transport hazard class(es):

Not regulated

Packing group:

Not regulated

Environmental hazards:

Not Applicable

Special precautions for user:

Not Applicable.

Section 15-Regulatory Information

US Federal Regulations:

SARA 313:This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.

US State Regulations:

California Proposition 65: This product does not contain any Proposition 65 chemicals.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Section 16-Other Information

Abbreviations or phrases:

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

EC: Council of Europe

Material Safety Data Sheet

MSDS No.: MSDS#681353E

Initial Date: November 03, 2022

Product Name: Natural Killer Cells Induction Culture Kit 2.0

Revision Date: November 03, 2022

Version: 1.0

GHS: Globally Harmonized System of Classification and Labeling of Chemicals
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods Code
RID: Regulation for rail International transportation of Dangerous goods

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution.

Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

*****END OF Material Safety Data Sheet *****