

KI Tech CO.,LTD. MSDS

No: 070816-01E Scanpawder

SAFETY DATA SHEET

MSDS Creation Date: 07-Aug-2016

Revision: #1E

【1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY】

PRODUCT NAME	Scan pawder
SUPPLIER :	KI tech Co.,Ltd. 83 Kanki, Higashi-kanki, Kakogawa, Hyogo, JAPAN TEL:+81-79-434-4317 FAX:+81-76-434-4318
APPEARANCE:	White solid, No odour
USAGE:	Optical refractive material for 3D scanning

【2. HAZARDS IDENTIFICATION】

EMERGENCY OVERVIEW

Limited evidence of a carcinogenic effect.

Potential Health Effects

Eye: Causes mild eye irritation.
Skin: Causes mild skin irritation. May be harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed. Ingestion of large amounts may cause pain, constipation or diarrhea. May cause ataxia (failure of muscular coordination), increased blood pressure, hallucinations, hypermotility, muscle contraction/spasticity, fatigue, psychosis, and tremors.
Inhalation: May be harmful if inhaled. May cause blood changes. May cause irritation of the upper respiratory tract and bronchi.
Chronic: Prolonged or repeated exposure may cause lung irritation, chest pain, and pulmonary edema. Limited evidence of a carcinogenic effect.

【3. COMPOSITION, INFORMATION ON INGREDIENTS】

Chemical Name	%	Chemical formula	CAS#	EINECS#
Titania	92.0%	O2Ti	13463-67-7	236-675-5
Almina	3.0%	Al2O3	1344-28-1	215-691-6
Glycerine	4.0%	C3H5(OH)3	56-81-5	200-289-5
2-Phenoxyethanol	0.8%	C8H10O2	122-99-6	204-589-7
Purified water	0.2%	H2O	7732-18-5	231-791-2

HAZARD SYMBOLS: XN



RISK PHRASES: 40

【4. FIRST AID MEASURES】

EYE: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
SKIN: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
INGESTION: Get medical aid. Wash mouth out with water.
INHALATION: Remove from exposure and move to fresh air immediately.

【5. FIRE FIGHTING MEASURES】

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GENERAL INFORMATION:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

EXTINGUISHING MEDIA:

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

【6. ACCIDENTAL RELEASE MEASURES】

GENERAL INFORMATION:

Use proper personal protective equipment as indicated in Section 8.

SPILLS/LEAKS:

Vacuum or sweep up material and place into a suitable disposal container.

【7. HANDLING AND STORAGE】

HANDLING:

Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

STORAGE:

Store in a cool, dry place. Keep container closed when not in use.

【8. EXPOSURE CONTROLS, PERSONAL PROTECTION】

ENGINEERING CONTROLS:

Use adequate ventilation to keep airborne concentrations low.

EXPOSURE

CAS# 13463-67-7:

LIMITS

United Kingdom, WEL - TWA: 10 mg/m³ TWA (total inhalable) ; 4 mg/m³ TWA (respirable)
United Kingdom, WEL - STEL: 30 mg/m³ STEL (total inhalable) ; 12 mg/m³ STEL (respirable)
United States OSHA: 15 mg/m³ TWA (total dust)
Belgium - TWA: 10 mg/m³ VLE
France - VME: 10 mg/m³ VME (as Ti)
Malaysia: 10 mg/m³ TWA
Netherlands: 10 mg/m³ MAC
Russia: 10 mg/m³ TWA (aerosol)
Spain: 10 mg/m³ VLA-ED

PERSONAL PROTECTION EQUIPMENT

EYES:

Wear chemical splash goggles.

SKIN:

Wear appropriate protective gloves to prevent skin exposure.

CLOTHING:

Wear appropriate protective clothing to prevent skin exposure.

RESPIRATORS:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

【9. PHYSICAL AND CHEMICAL PROPERTIES】

PHYSICAL STATE:

Solid

COLOR:

white to off-white

ODOR:

odorless

pH:

~ 7 Vapor

VAPOR PRESSURE:

Not available

VISCOSITY:

Not available

BOILING POINT:

2900 deg C @760mmHg (5,252.00° F)

FREEZING/MELTING POINT:

1855 deg C (3,371.00° F)

AUTOIGNITION TEMPERATURE:

Not available

FLASH POINT:

Not available

EXPLOSION LIMITS: LOWER:

Not available

EXPLOSION LIMITE: UPPER:

Not available

DECOMPOSITION TEMPERATURE:

Not available

SOLUBILITY IN WATER:

Insoluble

SPECIFIC GRAVITY/DENSITY:

4.23

MOLECULAR WEIGHT:

79.88

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【10. STABILITY AND REACTIVITY】

CHEMICAL STABILITY: Stable under normal temperature and pressures.
CONDITIONS TO AVOID: Incompatible materials.
INCOMPATIBILITIES WITH OTHER MATERIALS: Not available
HAZARDOUS DECOMPOSITION PRODUCTS: Not available
HAZARDOUS POLYMERIZATION: Will not occur.

【11. TOXICOLOGICAL INFORMATION】

RTECS#: CAS# 13463-67-7: XR2275000
LD50/LC50: RTECS: Not available.
Other: oral rat LD50 > 10 g/kg oral rat LD50 > 12 g/kg oral rat LD50 > 20 g/kg
oral mouse LD50 > 10 g/kg inh rat TLo = 250 mg/m³/6H/2Y inh rat LD > 2.29 mg/L/4H
inh rat LD > 3.56 mg/L/4H inh rat LC > 6.82 mg/L skin rabbit LD > 10g/kg
skin guinea pig LD50 >= 10 g/kg skin rabbit: not irritating skin rabbit: slightly
irritating skin human: low irritancy eye rabbit: not irritating eye rabbit: slightly
irritating eye rabbit: mild irritation skin guinea pig: not sensitizing
skin human: not sensitizing
CARCINOGENICITY: IARC: GROUP 3 (NOT CLASSIFIABLE)
OTHER: The toxicological properties have not been fully investigated. See actual entry
in RTECS for complete information. Mutagenicity: Ames-test: negative. Possible
carcinogen.

【12. ECOLOGICAL INFORMATION】

ECOTOXICITY: Fish: Leuciscus idus: >=1000 mg/L; 48H; LC0 static
Daphnia: Daphnia: 3 mg/L; 30D; ECO
Daphnia: Daphnia: 1000 mg/L; 18D; EC100
Daphnia: Daphnia: 500 mg/L; 30D; EC100

【13. DISPORSAL INFORMATION】

Dispose of in a manner consistent with federal, state, and local regulations.

【14. TRANSPORT INFORMATION】

SHIPPING NAME: IATA - Not regulated. IMO - Not regulated. RID/ADR - Not regulated.
HAZARD CLASS: IATA - Not regulated. IMO - Not regulated. RID/ADR - Not regulated.
UN NUMBER: IATA - Not regulated. IMO - Not regulated. RID/ADR - Not regulated.
PACKINF GROUP: IATA - Not regulated. IMO - Not regulated. RID/ADR - Not regulated.

【15. REGULATORY INFORMATION】

European/International Regulations

European Labeling in Accordance with EC Directives

HAZARD SYMBOLS: XN

RISK PHRASES: R 40 Limited evidence of a carcinogenic effect.

SAFETY PHRASES: S 36/37 Wear suitable protective clothing and gloves.

WGK (Water Danger/Protection) :

CAS# 13463-67-7: 0

Canada: CAS# 13463-67-7 is listed on Canada's DSL List

US Federal

TSCA: CAS# 13463-67-7 is listed on the TSCA Inventory.

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【16. OTHER INFORMATION】

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages

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