

Safety Data Sheet (SDS)

Creation Date 2010/08/26
 Revision Date 2016/12/12

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : KONY G18
 Product Code : 153989
 Company Name : KONISHI CO., LTD.
 Address : Kitahama TNK Bldg., 1-7-1 Dosho-machi, Chuo-ku, Osaka, Japan
 Company Contact : Customer Relations
 Phone Number (Osaka) : +81-6-6228-2994
 Emergency Phone Number : +81-6-6228-2994
 Recommended Use and Restriction on Use : Adhesive for fixture

Section 2 – HAZARDS IDENTIFICATION

GHS Classification

Physical Hazards : Flammable liquids Category 2
 Pyrophoric liquids Not classified
 Self-heating substances and mixtures Not classified
 Substances and mixtures which, in contact with water, emit flammable gases Not classified
 Oxidizing liquids Not classified

Health Hazards : Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 2A
 Carcinogenicity Category 2
 Reproductive toxicity Category 1A + Additional category for effects on or via lactation
 Specific target organ toxicity, single exposure Category 1 (respiratory organs, central nervous system)
 Specific target organ toxicity, single exposure Category 3 (narcotic effects, respiratory tract irritation)
 Specific target organ toxicity, repeated exposure Category 1 (liver, kidney, central nervous system, peripheral nervous system)
 Aspiration hazard Not classified

Environmental Hazards : Acute toxicity to the aquatic environment Category 2
 Chronic toxicity to the aquatic environment Category 3
 Other hazards than mentioned above are Not applicable or Classification not possible.

GHS Label Elements

Symbols



Signal Word	: Danger
Hazard Statements	: May cause harm to breast-fed children (H362) Toxic to aquatic life (H401) Harmful to aquatic life with long lasting effects (H412) Highly flammable liquid and vapour (H225) Cause skin irritation (H315) Causes serious eye irritation (H319) May cause respiratory irritation (H335) May cause drowsiness or dizziness (H336) Suspected of causing cancer (H351) May damage fertility or the unborn child (H360) Causes damage to organs (respiratory organs, central nervous system) (H370) Causes damage to organs (liver, kidney, central nervous system, peripheral nervous system) through prolonged or repeated exposure (H372)
Precautional Statements	
Prevention Precautionary Statements	: Avoid breathing dust/fume/gas/mist/vapours/spray. (P261) Do not breathe mist. (P260) Avoid contact during pregnancy/while nursing. (P263) Obtain special instructions before use. (P201) Do not handle until all safety precautions have been read and understood. (P202) Keep away from heat/sparks/open flames/hot surfaces. No smoking. (P210) Keep container tightly closed. (P233) Ground/bond container and receiving equipment. (P240) Use explosion-proof electrical/ventilating/lighting/equipment. (P241) Use only non-sparking tools. (P242) Take precautionary measures against static discharge. (P243) Do not breathe dust/fume/gas/mist/vapours/spray. (P260) Wash hands thoroughly after handling. (P264) Wash eyes thoroughly after handling. (P264) Do not eat, drink or smoke when using this product. (P270) Use only outdoors or in a well-ventilated air. (P271) Avoid release to the environment. (P273) Wear protective gloves/protective clothing/eye protection/face protection. (P280) Wear protective gloves. (P280)
Response Precautionary Statements	: If on skin : Wash with plenty of soap and water. (P302+P352) If on skin(or hair) : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. (P303+P361+P353) If inhaled : Remove person to fresh air and keep comfortable for breathing. (P304+P340)

If in eyes : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

If exposed or concerned : Get medical advice/attention. (P308+P313)

Call a POISON CENTER or doctor/physician if you feel unwell. (P312)

Get medical advice/attention if you feel unwell. (P314)

Specific treatment. (P321)

If skin irritation occurs : Get medical advice/attention. (P332+P313)

If eye irritation persists : Get medical advice/attention. (P337+P313)

Take off contaminated clothing and wash it before reuse. (P362+P364)

In case of fire : Use appropriate extinguishant for extinction. (P370+P378)

Storage Precautionary Statements : Store in a well-ventilated place. Keep container tightly closed. (P403+P233)

Store in a well-ventilated place. Keep cool. (P403+P235)

Store locked up. (P405)

Disposal Precautionary Statements : Dispose of contents/container in accordance with local/regional/national/international regulation. (P501)

Specific Hazards : Organic solvent poisoning may be caused.

Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture : Mixture
 Chemical Name or Generic Name : Chloroprene rubber solvent based adhesive

Chemical Name or Generic Name	Concentration or Its Ranges(wt%)	CAS No.
Polychloroprene	25-35	nondisclosure
Phenolic Resin		nondisclosure
Magnesium oxide		1309-48-4
Toluene	20-30	108-88-3
n-Hexane	10-20	110-54-3
Dichloromethane	10-20	75-09-2
Ethyl acetate	10-20	141-78-6
Methylpentane(mixture)	5-10	listing
Rosin	<1	8050-09-7
2,6-Di-tert-butyl-4-methylphenol (BHT)	<1	128-37-0
Xylene	<1	1330-20-7
Zinc oxide	<1	1314-13-2
Silica	<1	listing

Impurities and/or Stabilizing Additives which Contribute to the Classification : No information available

Section 4 – FIRST AID MEASURES

- Inhalation : Move affected person to the open air. Keep him or her at rest to allow easier breathing.
Call a doctor if you feel unwell.
- Skin Contact : Remove/Take off immediately all contaminated clothing and rinse skin with water/shower.
Wash with plenty of soap and water.
Call a doctor.
- Eye Contact : Rinse carefully with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Call a doctor.
- Ingestion : Rinse mouth. Do not induce vomiting.
Call a doctor.
- Protection of first-aiders : Wear appropriate protective equipment as required.

Section 5 – FIRE FIGHTING MEASURES

- Extinguishing media : Fire extinguisher (powder/foam), carbon dioxide, water spray, sand.
- Extinguishing media that are NOT suitable : Water

Columnar water jet streams.
- Specific methods of fire-fighting : Extinguish fire from windward side in a place free of gas retention, and take steps against leakage.
- Protection of Fire Fighter : In fire-extinguishing activity, wear an appropriate air breathing apparatus and full protective clothing for chemicals.

Section 6 – ACCIDENTAL RELEASE MEASURES

- Personal Precautions, Protective Equipment and Emergency Procedures : Isolate spill area. Prohibit unauthorized entry into the area.
Ventilate the closed area.
Do not touch the leakage.
Wear appropriate personal protective equipment (Refer to "Section 8") and avoid inhalation or contact with eyes and skin.
- Environmental Precautions : Do not release into the environment.
Contamination of the terrestrial and aquatic environments should be avoided.
Diluent may cause pollution.
- Methods and Equipment for Containment and Cleaning up : Ground all equipment used to handle leakage.

Stop leak if safe to do so.
For small amounts : Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container.
For large amounts : Carefully collect remainder, then remove to safe place.

- Prevention Measures for Secondary Accidents : Removes all ignition sources promptly. (Prohibition of smoking, sparks, and flames in the surrounding area)
Prevent flowing into ditches, drains, basements, or other closed areas.
Remove thoroughly since the smooth and slippery surface will be formed on the floor.

Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

- : Provide ventilation system and Use necessary personal protective equipment as described in "Section 8".
Provide local ventilations and a full ventilation system as described in "Section 8".

Precautions for Safe Handling

- : Use in a well-ventilated place.
Do not get in eyes, on skin, or on clothing.
Wash hands thoroughly after handling.
No open flame, No static electricity.
Keep away from heat/sparks/open flames/hot surfaces.

Prevents Handling of Incompatible Substances or Mixtures

- Do not breathe mist/vapour/spray.
: Refer to "Section 10".

Specific Hygiene Measures

- : Wash hands thoroughly after handling.

Storage Precautionary Statements

Storage Conditions

- : Storage facilities should consist of walls, pillars and floors of a fire-resistant structure and beams of noncombustible material.
Refer to "Section 10".
Store at temperature : 2-40°C
Protect from sunlight.
Keep container tightly closed.
Store locked up.

Material Used in Packaging/Containers

- : Use containers conforming to the United Nations Recommendations on the Transport of Dangerous Goods.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name or Generic Name	ACGIH
Toluene	TWA 20 ppm, STEL -
Dichloromethane	TWA 50 ppm, STEL -
n-Hexane	TWA 50ppm(n-Hexane) TWA 500ppm, STEL 1000ppm(Hexane, Other isomers)
Ethyl acetate	TWA 400 ppm, STEL -
Methylpentane(mixture)	TWA 500 ppm, STEL 1000 ppm
Zinc oxide	TWA 2 mg/m3(R), STEL 10 mg/m3(R)
Rosin	TWA - (L), STEL -
Silica	-
2,6-Di-tert-Butyl-4-Methylphenol	TWA 2 mg/m3 (IFV), STEL -
Xylene	TWA 100 ppm, STEL 150 ppm

- Engineering Controls : Use in a well-ventilated place.
 A workplace to store or handle this substance should be provided with an eye washing station and an emergency shower station.
 Use local exhaust ventilation system.
- Protection
- Respiratory Protection : Use the chemical cartridge respirators.
 - Hand Protection : Wear protective gloves.
 - Eye Protection : Wear eye protection.
 - Skin and Body Protection : Wear protective clothing/protective boots.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

- Appearance
- Physical state : Liquid
 - Form : Viscous liquid
 - Color : Pale yellow
- Odor : Aromatic odor
- pH : No data available
- Initial boiling point and boiling ranges : 40°C (Dichloromethane)
- Flash point : -15°C (closed-cup)
- Flammability or explosive limits
- Lower : No data available
 - Upper : No data available
- Vapour density : ≥ 1 (air = 1)
- Specific gravity (relative density) : About 0.95 g/cm³
- Solubility : Insoluble in water. Soluble in organic solvents.
- Auto-ignition temperature : No information available
- V : 5000~6000 mPa·s

Section 10 – STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reaction	: No information available.
Conditions to avoid	: Heat. Strong oxidizing agents. Strong bases. Alkali metal. Metal powder. Vapor of solvent is heavier than air, and likely to move over the ground or floor, possibly causing ignition at
Incompatible Substances or Mixtures	: Strong oxidizing agents. Strong bases. Alkali metal. Metal powder.
Hazardous decomposition products	: In combustion emits toxic gasses (hydrogen chloride/phosgene).

Section 11 – TOXICOLOGICAL INFORMATION

Acute toxicity	
Oral	: ATEmix > 2000mg/kg Unknown ingredients : 30%
Dermal	: ATEmix > 2000mg/kg Unknown ingredients : 60%
Inhalation	: Inhalation (vapours) : ATEmix > 20.0mg/l Unknown ingredients : 40% Inhalation (dusts/mists) : No data available
Skin corrosion/irritation	: Sum of ingredients classified as Skin Category 2 \geq 10%
Serious eye damage/eye irritation	: Sum of ingredients classified as Eye Category 2A \geq 10%
Respiratory sensitization/Skin sensitization	: Result of classification with convey hazards of the known ingredients : Not classified Unknown ingredients : 99% 0.1% \leq Respiratory sensitizer < 1.0% Result of classification with convey hazards of the known ingredients : Not classified Unknown ingredients : 60% 0.1% \leq Skin sensitizer < 1.0%
Germ cell mutagenicity	: Result of classification with convey hazards of the known ingredients : Not classified Unknown ingredients : 40%
Carcinogenicity	: Category 2 carcinogen \geq 1.0%
Reproductive toxicity	: Category 1A Reproductive toxicant \geq 0.3% Additional category for effects on or via lactation \geq 0.3%
Specific target organ toxicity–Single exposure	: Category 3 Target organ toxicant (narcotic effects) \geq 20% Category 1 Target organ toxicant (respiratory organs) \geq 10% Category 1 Target organ toxicant (central nervous system) \geq 10% Category 3 Target organ toxicant (respiratory tract irritation) \geq 20%

- Specific target organ toxicity–Repeated exposure : Category 1 Target organ toxicant (liver) $\geq 10\%$
 Category 1 Target organ toxicant (kidney) $\geq 10\%$
 Category 1 Target organ toxicant (central nervous system) $\geq 10\%$
 Category 1 Target organ toxicant (peripheral nervous system) $\geq 10\%$
- Aspiration hazard : Kinematic viscosity measured at 40°C > 20.5mm²/s

Section 12 – ECOLOGICAL INFORMATION

- Acute toxicity to the aquatic environment : Sum of ingredients classified as (M × 10 × Acute 1)+Acute 2 > 25%
- Chronic toxicity to the aquatic environment : Sum of ingredients classified as (M × 100 × Chronic 1)+(M × 10 × Chronic 2)+Chronic 3 > 25%
- Ecotoxicity : No information available
- Hazardous to the ozone layer : No data available
- Other data : Contamination of the terrestrial and aquatic environments should be avoided.
 Dangerous for the environment if discharged into watercourses.

Section 13 – DISPOSAL CONSIDERATIONS

- Residual Waste : If you would like to dispose of this chemical, you should properly dispose of this by yourself or ask qualified specific agents dispose of this according to related legislations and local regulations.If you would like to ask the agents dispose of this chemical, you should provide sufficient information on dangerousness and hazard of this chemical.
- Contaminated Container and Packaging : Container should be recycled after cleaning or if you would like to dispose of container of this chemical, you should properly dispose of this by yourself or ask qualified specific agents dispose of this according to related legislations and local regulations. If you would like to ask the agents dispose of this container, you should provide sufficient information on dangerousness and hazard of this chemical in this container and information on ingredient and notice of container.

Section 14 – TRANSPORT INFORMATION

- International Regulations
- Regulatory Information by Sea : Conform to the provisions of IMO.
- UN No. : 1133
- Proper Shipping Name : ADHESIVES
- Class : 3
- Packing Group : II
- Marine Pollutant : Not applicable

Transport in bulk according to MARPOL 73/78,Annex II ,and the IBC code	Not applicable
Regulatory Information by Air	: Conform to the provisions of ICAO/IATA.
UN No.	: 1133
Proper Shipping Name	ADHESIVES
Class	: 3
Packing Group	: II
Special safety measures	: Please refer to "Section 7" in detail. Under loading, containers must be carefully handled to prevent damage of containers and must be fixed them tightly to prevent falling of containers.

Section 15 – REGULATORY INFORMATION

Regulatory information with regard to this substance in your country or region should be examined by your own responsibility.

Section 16 – OTHER INFORMATION

Where to make contact	: Please refer to "Section 1" in detail.
Reference	: Classification of chemicals on "Globally Harmonized System of Classification and Labeling of Chemicals(GHS)" (JIS(JAPANESE INDUSTRIAL STANDARD) Z 7252:2014). GHS Classification Guidance for Enterprises (July, 2013: Ministry of Economy, Trade and Industry in JAPAN). Hazard communication of chemicals based on GHS- Labelling and Safety Data Sheet (SDS) (JIS (JAPANESE INDUSTRIAL STANDARD) Z 7253:2012). The list of chemicals classified of NITE (National Institute of Technology and Evaluation) in JAPAN.

NOTICE : This SDS was made out as English translated version of the SDS based on the Japanese laws and regulations. Therefore, it was not applicable to the domestic distribution in the importing country.