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Safety Data Sheets

1. Product and Company Identification

Product name :Tamiya Compound Fast Cut
Name of supplier :SOLAR CO., LTD.
Address :1-7, Nunobiki-cho-2-chome, Chuo-ku, Kobe, Hyogo-Pref. 651-0097 JAPAN
Division :R & D DEPT.
Phone :+81-790-49-2366
FAX :+81-790-49-1588
Product code(SDS NO) :EN112411-1

2. Hazards identification

GHS classification and label elements of the product
GHS classification
HEALTH HAZARDS
Germ cell mutagenicity : Category 1B
Specific target organ toxicity-repeated exposure : Category 1

Signal word : Danger
HAZARD STATEMENT
May cause genetic defects
Causes damage to organs following repeated exposure.
PRECAUTIONARY STATEMENT
Prevention
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash contaminated parts thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/face protection.
Response
Get medical advice/attention if you feel unwell.
IF exposed or concerned: Get medical advice/attention.
Storage
Store locked up.
Disposal
Dispose of contents/container in accordance with local/national regulation.

3. Composition/Information on Ingredients

Substance/Preparation :Preparation

Ingredient name	content(%)	CAS No.	PRTR law No, Japan
Aluminium oxide	15 - 20	1344-28-1	-
Diatomaceous silica, flux-calcined	15 - 20	68855-54-9	-
Abrasive	1 - 5	Non Public	-
Water	20 - 25	7732-18-5	-
Solvent	30 - 35	Non Public	-
Ethyl alcohol	0.1 - 1	64-17-5	-

Emulsifier	5 - 10	Non Public	-
Additive	5 - 10	Non Public	-

4. First-aid measures

IF INHALED

Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair)

Never use solvent or thinner.
Wash with plenty of soap and water.
If you observe unusual symptom, have irritation/pain and/or feel unwell, seek medical advice.

IF IN EYES :

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth.
Do NOT induce vomiting.
Immediately call a POISON CENTER or doctor/physician.

5. Fire-fighting measures

Suitable extinguishing media

In case of fire, use water mist, foam, dry powder or CO2.

Specific fire-fighting measures

Use appointed fire extinguisher.
Remove flammable matters quickly from nearby.
Apply water from a safe distance to cool and protect surrounding area.

Special protective equipment and precautions for fire-fighters

Fire extinguishing work has to be done from windward.
Wear proper protective equipment.

6. Accidental Release Measures

Personnel precautions, protective equipment and emergency procedures

Ventilate area after material pick up is complete.
Wear proper protective equipment.
Keep unauthorized personnel away.

Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

Methods and materials for neutralization, containment and cleaning up

Place in a covered container.
Use non-sparking tools to collect absorbed material.

Preventive measures for secondary accident

Prepare extinguishers before catching fire.

7. Handling and Storage

Precautions for safe handling

Preventive measures

Use personal protective equipment as required.
Take precautionary measures against static discharge.

Safety Measures/Incompatibility

Handle in good ventilation.
Do not handle until all safety precautions have been read and understood.

Conditions for safe storage, including any incompatibilities

Recommendation for storage
Keep container tightly closed.
Protect from sunlight. Store in a well-ventilated place.
Do not freeze.

8. Exposure Controls/Personal Protection

Control parameters e.g. occupational exposure limit values or biological limit values
Adopted value
(Aluminium oxide)
ACGIH(2007) TWA: 1 mg/m3(R) (Pneumoconiosis; LRT irr; neurotoxicity)
(Ethyl alcohol)
ACGIH(2008) STEL: 1000ppm (URT irr)
Appropriate engineering controls
Do not use in areas without adequate ventilation.
Exhaust/ventilator should be available.
Protective equipment
Respiratory protection
Wear respiratory protection.
Hand protection
Wear protective gloves.
Eye protection
Wear eye/face protection.
Skin and body protection
Wear protective gloves/clothing

9. Physical and Chemical Properties

Physical properties
Appearance :paste
Color :white
pH :ca9.5
Flash point :No data
Specific gravity :ca1.20

10. Stability and Reactivity

Stability
Stable under normal storage/handling conditions.

11. Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics
Irritant properties
Skin corrosion/Irritation component(s) data
(Ethyl alcohol)
rabbit 400 mg open ; MILD rabbit 500 mg/24H ; SEVERE
Serious eye damage /irritation
Eye damage/irritation component(s) data
(Ethyl alcohol)
rabbit 100 mg/24H ; MODERATE rabbit 100 mg/4S rinse ; MODERATE
Mutagenic effects
(Ethyl alcohol) mouse/rat : SIDS, 2009
Carcinogenic effects
(Ethyl alcohol)
IARC-Gr.1 ; Carcinogenic to humans.
(Aluminium oxide)
ACGIH-A4(2007) : (Not Classifiable as a Human Carcinogen)

(Ethyl alcohol)
ACGIH-A3(2008) : Confirmed Animal Carcinogen with Unknown Relevance to Humans
Toxicity for reproduction
(Ethyl alcohol) human : SIDS, 2009
Delayed and immediate effects and also chronic effects from short- and long-term exposure
Specific target organ toxicity (single exposure cat.3 respiratory irritation)
(Aluminium oxide) Respiratory tract irritation (ICSC, 2000)
Specific target organ toxicity (repeated exposure cat.1)
(Aluminium oxide) lung (EHC, 1999)

12. Ecological Information

Ecotoxicity
Acuatic toxicity
(Ethyl alcohol)
Fish (fat head minnow) LC50 > 100mg/L/96hr (SIDS, 2005
Water solubility
(Aluminium oxide)
none (ICSC, 2000)
(Ethyl alcohol)
100 g/100 ml (PHYSPROP Database, 2009)
Bioaccumulative potential
(Ethyl alcohol)
log Pow=-0.32 (ICSC, 2000)

13. Disposal Considerations

Disposal methods
Avoid release to the environment (- if this is not the intended use).
Dispose of contents/container in accordance with local/national regulation.

14. Transport Information

UN No, UN CLASS
No data
Special precautions in connection with trasport or conveyance
Follow instruction in Handling & Storage.

15. Regulatory Information

Industrial Safety and Health law, Japan
Chemical name et al should be informed : Aluminium oxide; Diatomaceous silica, flux-calcined; Ethyl alcohol
Fire protection law, Japan
Listed flammables : flammable solids ; (limited qty) 3000kg

16. Other information

Reference Book
Globally Harmonized System of classification and labelling of chemicals, (4th ed., 2011), UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 17th edit. UN
2012 EMERGENCY RESPONSE GUIDEBOOK(US DOT)
2011 TLVs and BEIs. (ACGIH)
http://monographs.iarc.fr/monoeval/grlist.html
Supplier's data/information
Other information
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