MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name                Artline WETRITE
                             EK-47 (Black)(Blue)(Red)

General Use                 Permanent marker
MSDS Number                 EA3023C-0101

MANUFACTURER
Company Name                Shachihata Co., Ltd.
Address                     4-69, Amatuka-chou, Nishi-ku, Nagoya-shi, Aichi-ken, Japan
Telephone Number            ++ 81 52 521 3600
Fax Number                  ++ 81 52 521 3899

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture         Mixture

Hazardous Ingredients

<table>
<thead>
<tr>
<th>Chemical or Common Name(s)</th>
<th>wt.%</th>
<th>CAS. Number</th>
<th>EINECS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkanes, C7-C10-iso-</td>
<td>60–70</td>
<td>90622-56-3</td>
<td>292-458-5</td>
</tr>
</tbody>
</table>

EU symbol(s) and risk phrase(s) is specified in 15. REGULATORY INFORMATION.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Flammable liquid with a solvent odor.
May cause allergic skin reaction.

POTENTIAL HEALTH EFFECT
No data available

POTENTIAL ENVIRONMENTAL EFFECTS
No data available
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4. FIRST AID MEASURES

INHALATION  Move to well ventilated place.
See medical advice immediately.

EYE  Immediately flush with plenty of water.
See medical advice immediately.

SKIN  Wipe off with dry cloth and wash with mild soap.
See medical advice immediately.

INGESTION  See medical advice immediately.

PROTECTION TO FIRST - AIDERS
No data available

NOTE TO PHYSICIAN
Treatment may vary with condition of victim and specifics of incident.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
Highly flammable

EXTINGUISHING MEDIA
Dry chemical powder, foam or carbon dioxide.

FIRE FIGHTING INSTRUCTIONS
Wear full fire-fighting turn-out gear and respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL  Wipe off with dry cloth.

WATER SPILL  Contain spilled liquid with sand or earth.
Do not use combustible materials, such as sawdust.

7. HANDLING AND STORAGE

HANDLING :  Use only in the well-ventilated areas.
Avoid contact with skin or eyes, or clothing.
Avoid inhalation and ingestion.
Avoid high temp. and fire.
Wash throughly after handling.

STORAGE :  Store in a cool, dry, well-ventilated location.
Keep away from heat, sunlight.
Keep away from children.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

OSHA  PEL (1994)
Not established

ACGIH  TLV (2003)
Not established

EN LIMIT (2000/39/EN)
Not established

EXPOSURE CONTROLS

Occupational Exposure Controls

Engineering Controls
Use exhaust ventilation to keep airborne concentration below exposure limits.

Personal Protection

Respiratory Protection
Use with local exhaust ventilation, when in long use.

Hand Protection
Not required, but wear safety gloves, if necessary.

Eye Protection
Not required, but wear safety glasses, if necessary.

Skin Protection
To prevent any contact, wear impervious clothing such as gloves, apron, as appropriate.

Environmental Exposure Controls
Not established

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical state Liquid

Odor
solvent odor

Boiling Point / Boiling Range
No data available.

Flash Point
6.5 °C (Close Cup)

Explosive Properties
No data available.

Relative Density (g/cm³)
0.8 ~ 0.9 g/cm³

Solubility [ Water ]
Insoluble
10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID   No data available
STABILITY               No data available
MATERIALS TO AVOID      No data available
HAZARDOUS REACTIONS / DECOMPOSITION PRODUCTS
                        No data available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity (RTECS: 2004.11)
                        Not established

12. ECOLOGICAL INFORMATION

ECOTOXICITY            No data available
BIOACCUMULATIVE POTENTIAL  No data available
OTHER ADVERSE EFFECTS    No data available

13. DISPOSAL CONSIDERATIONS

Comply with all federal, state, EU, national and local regulations.
Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

UN CLASS                3
UN Packing Group (PG)   ☐
UN NUMBER               1210
Proper Shipping Name   Printing ink, flammable
15. REGULATORY INFORMATION

Refer to any other federal, state, EU, national and local regulations.

OSHA STATUS: This product is hazardous under 29 CFR 1910.1200.

TSCA STATUS: All components on TSCA INVENTORY.

CERCLA REPORTABLE QUANTITY (40 CFR 117,302):
Not applicable

SARA TITLE: Not applicable

This product is classified as follows,

[Alkanes,C7-C10-iso-]: [Xn] R:11-65-67
S; (2-)9-16-23-24-33-43-62

Symbol: Xn (Harmful)

Risk Phrase: 11 (Highly flammable)
65 (Harmful: may cause lung damage if swallowed.)
67 (Vapours may cause drowsiness and dizziness.)

Safety Advice: 2 (Keep out of the reach of children.)
9 (Keep container in a well-ventilated place.)
16 (Keep away from sources of ignition – No smoking.)
23 (Do not breathe gas/fumes/vapour/spray.)
24 (Avoid contact with skin.)
33 (Take precautionary measures against static discharges.)
43 (In case of fire, use sand, earth, chemical powder or foam.)
62 (If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.)

Please refer to any other EU, national and local measures.

16. OTHER INFORMATION

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