MATERIAL SAFETY DATA SHEET
ALKALINE CLEANER COMPOSITION

Date 10/16
Revised Date 21/10/15

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Abkar Ayar Sanj
Phone Number: (+98) 31 4272 5033 Fax: (+98) 31 3393 2453
Emergency Phone: 0098 913 317 0248
Product Name: **Alkaline cleaning formulas for Aluminum and Aluminum alloys**
Product Number: ABSAN-G27
Prepared By: Mr. M. Ghaderi & Mr. H.R. Sadlaleh **Date Prepared**: 10/12/2016
Date Revised 15/3/2017

2. COMPOSITION/INFORMATION ON INGREDIENTS

Water	>0.1%
Sodium Carbonate	<35%
Sodium Hydroxide	<1%
Sodium Tripolyphosphate	<5%
Surfactant Blend	>3%

3. HAZARDOUS IDENTIFICATION

Emergency Overview:
Eye Contact: mild irritation
Ingestion: possible vomiting
prolonged exposure

POTENTIAL HEALTH EFFECTS
Inhalation: N/A
Skin Contact: some irritation or dryness may occur with
Signs and Symptoms of Exposure: Slight irritation

4. FIRST AID MEASURES

Eyes: In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Seek immediate medical attention
Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. If breathing is difficult give oxygen. Call poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
Ingestion: Wash out mouth with water if person is conscious and alert. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Obtain medical attention immediately if ingested. Do not use mouth-to-mouth method if victim ingested the substance. Do not leave victim unattended.
Protective Equipment for Firefighters: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Substance is noncombustible.

5. FIRE FIGHTING MEASURES FLAMMABLE PROPERTIES

Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water or dry chemical spray
Unusual Fire and Explosion Hazards: Non-combustible. Under fire conditions, toxic, corrosive fumes may be emitted
Protective Equipment for Firefighters: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Substance is noncombustible
Combustion Products: Non-combustible;

6. ACCIDENTAL RELEASE MEASURES

Exercise caution during neutralization as considerable heat may be generated. Neutralize small spill area with a 5% sodium bisulfate solution. Flush neutralized spill with copious amounts of water. Transfer to a chemical water container for disposal in accordance with local regulations.

7. HANDLING AND STORAGE

Handling: Do not get on skin or in eyes. Avoid breathing vapors and mists. Do not ingest. Handle and open container with care. Use only with adequate ventilation. Use caution when combining with water; DO NOT add water to corrosive liquid, ALWAYS add corrosive liquid to water.
Storage: Store in a dry, well-ventilated place. Store locked up. Keep away from incompatible materials. Ventilate enclosed areas, keep container tightly closed. Store at a temperature below 85 degrees C.

8. EXPOSURE CONTROL / PERSONAL PROTECTION AND PROTECTIVE EQUIPMENT

Respiratory Protection:	N/A	**Ventilation**:	N/A
Protective Gloves:	Yes	**Eye Protection**:	Yes

Other Protective Clothing or Equipment: Work/Hygenic Practices: **Engineering Controls**: Exposure Guidelines:

MATERIAL SAFETY DATA SHEET
ALKALINE CLEANER COMPOSITION

Date 10/16
Revised Date 21/10/15

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder	**Solubility In Water**:	100%
Boiling Point:	No data available	**Specific Gravity**:	1.81 g/cm3
Melting Point:	N/A	**Evaporation Rate**:	=1
Vapor Density:	N/A	**pH**:	13.5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions
Conditions to Avoid: Stability decreases with concentration, heat, light exposure, decrease in pH and contamination with heavy metals such as nickel, cobalt, copper and iron.
Incompatibility: Ether, ammonia, acids, reducing agents, oxidizable materials, combustible materials (such as wood, cloth), organic materials, heavy materials such as iron and copper and their alloys, dirt, detergents. magnesium, aluminum, tin, manganese, zinc, and nitro compounds.
Hazardous Decomposition: Sodium oxides

11. TOXICOLOGICAL INFORMATION

Oral: Not Determined
Dermal: Not Determined
Eye Irritation: irritating, corrosive**.**
Primary Skin irritation: severe irritant.

12. ECOLOGICAL INFORMATION

Biodegradability: This product is toxic to fish. Do not discharge into lakes, streams, ponds, or public waterways unless in accordance with NPDES permit. For guidelines contact the regional office of the U.S. Environmental Protection Agency.

13. DISPOSAL CONSIDERATIONS

Waste From Residues and Unused Product: Dispose of in accordance with Federal, State and local regulations**.**
Contaminated Container Disposal: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations**.**

14. TRANSPORT INFORMATION DOT

Class:Non regulated Hazard Class:
UN No.: N/A
Packing Group: 25kg (±50g)
Guide No: N/A

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

*Reportable components: None. No components listed under: Clean Air Act Section 112

ALL Questions about the information found on this MSDS should be directed to:
Company: **ABKAR AYAR SANJ. 19 EBNE-SINA ALLEY. EIZADI AVE. NAJAF ABAD CITY. ISFAHAN STATE. IRAN**
Telephone: (+98) 31 4272 5033 **Fax**: (+98) 31 3393 2453
Emergency Phone: **24-Hour Emergency Service: 098 3142 725033**
Email: **info@abkaran.ir**

DISCLAIMER: The information provided with this **MSDS** is furnished in good faith and without warranty of any kind. Personnel handling this material must make independent determinations of the suitability and completeness of information from all sources to assure proper use and **disposal of this material and the safety and health of employees and customers.** Abkar ayar sanj assumes no additional liability or responsibility resulting from the use of, or reliance on this information.