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**(1) PRODUCT IDENTIFICATION :**

**PRODUCT NAME** : Sodium Vinyl Sulfonate

**SYNONYMS** : Sodium Ethylene Sulfonate

**TRADE NAME** : SVS 30% - VINALYST 4330

**CAS NO.** : 3039-83-6

**U. N. NO.** : Not applicable

**MOLECULAR WEIGHT** : 130.1

**CHEMICAL FORMULA :**  $C_2H_3O_3S Na$

**SUPPLIER'S NAME:** : ADAKEM KIMYA SAN. VE TIC. LTD. STI.  
**ADDRES** : SAHAP GURLER CAD., CAKIROGLU IS MERKEZI, NO:12B/5,KADIKOY, ISTANBUL

**(2) COMPOSITION/ INFORMATION ON INGREDIENTS**

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| INGREDIENT                 | CAS NO.   | APPROX. CONCENTRATION | HAZARDOUS         |
|----------------------------|-----------|-----------------------|-------------------|
| Sodium Isothionate         | 1562-00-1 | 6 to 9 %              | Not known         |
| Sodium Ethylene sulfonate. | 3039-83-6 | 25 to 30 %            | Mild eye irritant |
| Sodium Sulfate             | 7757-82-6 | 2 to 4 %              | NIL               |

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**(3) HAZARDS IDENTIFICATION :**

**EMERGENCY OVERVIEW** : May cause irritation to skin and eyes. May be toxic by ingestion.

**POTENTIAL HEALTH EFFECTS**

**INHALATION** : Over exposure may cause respiratory tract irritation.

**INGESTION** : May be toxic

**SKIN CONTACT** : May cause irritation.

**EYE CONTACT** : Mild eye irritant.

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CHRONIC EXPOSURE : No Information

AGGRAVATION OF PRE-EXISTING CONDITIONS : No Information

**(4) FIRST AID MEASURES :**

INHALATION : Remove victim to fresh air, provide artificial respiratory Oxygen if needed, seek medical advice.

INGESTION : If swallowed, call physician immediately.

EYE CONTACT : Hold eyelids apart & immediately flush with large quantity of water for at least 15 minutes. Contact a physician.

SKIN CONTACT : Immediately remove contaminated clothing and flush area with large quantity of water for at least 15 minutes.

ADDITIONAL INFORMATION : Not known.

**(5) FIRE FIGHTING MEASURES :**

FLAMMABILITY : None

If yes then under what condition : N.A.

FLASH POINT (C.C.) : 199.9°F ( 93.3° C)

FLASH POINT (O.C.) : Not known.

AUTO IGNITION TEMPERATURE : Not known.

MEANS OF EXTINCTION : Alcohol resistant Foam, Carbon dioxide, Dry Chemical, Sand, Lime stone powder.

SPECIAL PROCEDURE : Use proper protective equipment.

**(6) ACCIDENTAL RELEASE MEASURES :**

GENERAL INFORMATION : Ventilate area of leak or spill. Use proper personal protective equipment, evacuate personnel to safe area.

SPILLS / LEAKS : Stop the leakage if possible, ventilate the area involved, wash the spills with water.

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(7) **HANDLING AND STORAGE :**

**STORAGE** : Store in Cool, dry and well ventilated area. Keep containers closed, Avoid exposure to SUNLIGHT, Store away from oxidizers.

**HANDLING** : Use P.P.E. do not eat, drink, smoke. Avoid contacts with eyes & skin.

(8) **EXPOSURE CONTROLS / PERSONAL PROTECTION :**

**AIRBORNE EXPOSURE LIMITS** : Not known.

**VENTILATION SYSTEM** : Local or general exhaust is recommended.

**PERSONAL RESPIRATORS (NIOSH APPROVED)** : No specific recommendations.

**SKIN PROTECTION** : Use shoes, gloves and appropriate clothing.

**EYE PROTECTION** : Safety goggles or chemical goggles.

(9) **PHYSICAL AND CHEMICAL PROPERTIES :**

|   |   |   |
|---|---|---|
| <b>APPEARANCE</b> : Mobile skin Yellow Liquid.    | ◆ | <b>BOILING POINT</b> : 100° C.                  |
| <b>ODOUR</b> : Organic                            | ◆ | <b>MELTING POINT</b> : NA                       |
| <b>SOLUBILITY</b> : > 25 % in water.              | ◆ | <b>VAPOUR DENSITY</b> : NA (AIR = 1)            |
| <b>SPECIFIC GRAVITY</b> : 1.2                     | ◆ | <b>VAPOUR PRESSURE</b> : 18.2 at 21° C (mm Hg)  |
| <b>pH</b> : 9.5 - 12                              | ◆ | <b>EVAPORATION RATE</b> : Not known. (BuAc = 1) |
| <b>% VOLATILE BY VOLUME AT 21° C.</b> : Not known |   |   |

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(10) **STABILITY AND REACTIVITY :**

**STABILITY** : Stable under normal temperature and pressure when protected from sunlight / U.V. Rays.

- ♦ **HAZARDOUS DECOMPOSITION PRODUCT** : Organic acid vapours. temp. and under fire conditions.
- ♦ **HAZARDOUS POLYMERIZATION** : Not known.
- ♦ **INCOMPATIBILITIES** : Mineral acids, Oxidizing agents
- ♦ **CONDITIONS TO AVOID** : Reacts violently with Hydrogen Peroxide.

(11) **TOXICOLOGICAL INFORMATION :**

**ORAL RAT LD 50** : > 5000 mg/Kg (No Deaths).

**CARCINOGENICITY** : Not known.

(12) **ECOLOGICAL INFORMATION :**

**ENVIRONMENTAL FATE** : Not known.

**ENVIRONMENTAL TOXICITY** : Not known.

(13) **DISPOSAL CONSIDERATION :**

**LEAKS & SPILL PROCEDURE** : Flush the area with water, in case of large spill recover spilled material with vacuum truck.

**WASTE DISPOSAL** : The product should be disposed off as per local & requirements.

**OTHER INFORMATION** : N.A.

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**(14) TRANSPORT INFORMATION :**

**PROPER SHIPPING NAME** : Sodium Vinyl Sulfonate

**HAZARD CLASS** : Not known.

**U.N. NUMBER** : Not known.

**PACKING GROUP** : Not known.

**(15) REGULATORY INFORMATION :**

**U.S FEDERAL TSCA** : Included on inventory

**OSHA** : Hazard communication standard (29 CFR 1910, 1200).

**(16) OTHER INFORMATION :**

**LABEL HAZARD WARNING:** May cause irritation to skin, eyes. May be toxic by ingestion.

**LABEL PRECAUTIONS** : Do not get in eyes, on skin or on clothing. Keep containers closed. Use with adequate ventilation. Wash thoroughly after handling.

**LABEL FIRST AID** : If swallowed, do not induce vomiting. Give large quantity of water to drink. Get medical advice. In case of contact, flush eyes, skin with plenty of water.

**PRODUCT USE** : In polymers, copolymers and electroplating.

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