

## SAFETY DATA SHEET

### Section 1: Identification

#### Product identifier used on the label;

**Product name:** Ace Violet

**Other means of identification:** AT10-VE

#### Recommended use of the chemical and restrictions on use;

**Recommended use:** Marker for fabrics

**Restrictions on use:** No information

#### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party;

**Name:** Superior Sewing Machine & Supply LLC

**Department in Charge:**

**Address:** 48 West 25th Street, New York, NY 10010

**Telephone number:** (212) 691-5900

**Fax number:** (212) 807-8743

**e-mail address:** supsew@supsew.com

**Emergency phone number** (800) 274-5800

### Section 2: Hazard(s) identification

#### Classification of the chemical in accordance with paragraph (d) of §1910.1200;

##### Physical Hazards

Not classified

##### Health Hazards

Skin corrosion/irritation: Category2

Serious eye damage/eye irritation: Category1

Skin sensitization: Category1

Carcinogenicity: Category2

Reproductive toxicity: Category2

Specific target organ toxicity single exposure: Category1 (Liver),  
Category2 (Kidney, respiratory system)

Specific target organ toxicity repeated or prolonged exposure: Category1 (Respiratory tract),  
Category2 (Blood, liver, kidney)

##### Environmental Hazards

Not classified

##### Other Hazards

No information

**Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200;**

**Symbol(s)**



**Signal word**

**Danger**

**Hazard Statement(s)**

Causes skin irritation  
May cause an allergic skin reaction  
Causes serious eye damage  
Suspected of causing cancer  
Suspected of damaging fertility or the unborn child  
Causes damage to liver  
May causes damage to kidney, respiratory system  
Causes damage to respiratory tract through prolonged or repeated exposure  
May causes damage to blood, liver, kidney through prolonged or repeated exposure

**Precautionary Statement(s)**

[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 hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.

[Emergency response]

If on skin: Wash with plenty of water.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If exposed or concerned: Get medical advice/attention. Immediately call a poison center/doctor.  
If skin irritation occurs: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.

[Storage]

Store locked up.

[Disposal]

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Description of any hazards not otherwise classified;**

No information

**Ingredient with unknown acute toxicity in the mixture**

Not applicable

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**Section 3: Composition/information on ingredients**

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**Compositions (contents of the product)**

Chemical name	CAS No.	Concentration/concentration ranges (wt %)
Sodium carbonate	497-19-8	5-10
Triethanolamine	102-71-6	10-20
Diethanolamine	111-42-2	1-5

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**Section 4: First-aid measures**

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**Necessary first-aid measures by relevant routes of exposure;**

IF INHALED	No special measures as there is no hazard for normal contact.
IF ON SKIN	No special measures as there is no hazard for normal contact. Wash with water and soap when necessary.
IF IN EYES	Remove contact lenses if present and easy to do, continue rinsing. If irritation persists, seek medical care.
IF SWALLOWED	Rinse mouth. Do not induce vomiting without professional instruction. Get medical attention immediately if discomfort occurs.

**Most important symptoms/effects, acute and delayed;**

- Causes skin irritation
- May cause an allergic skin reaction
- Causes serious eye damage
- Suspected of causing cancer
- Suspected of damaging fertility or the unborn child
- Causes damage to liver
- May causes damage to kidney, respiratory system
- Causes damage to respiratory tract through prolonged or repeated exposure
- May causes damage to blood, liver, kidney through prolonged or repeated exposure

**Indication of immediate medical attention and special treatment needed, if necessary;**

Treat according to symptoms.

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**Section 5: Fire-fighting measures**

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**Suitable (and unsuitable) extinguishing media;**

**Suitable extinguishing media:**

This product is not flammable, as for a fire caused by surrounding ignition sources, choose proper extinguishers according to fire types. Seek advice from local fire-fighting authority.

**Unsuitable extinguishing media**

Discharging cylinder shape water from fire hose may lead to spread fire to the surroundings.

**Specific hazards arising from the chemical;**

No information

**Special protective equipment and precautions for fire-fighters;**

For initial fire, use dry powder, carbon dioxide, etc.

For large fire, it is effective to use fire foam, etc. to shut off air supply.

Fire-fighters must wear self-contained breathing apparatus and full protective equipment (e.g. fire-retardant clothing).

Deny unnecessary entry to the place around the fire.

Remove containers from fire area if it can be done without risk.

Cool surrounding facilities, etc. with water spray.

Extinguish fire from upwind, and the fire extinguishing method should be appropriate to the situation in the surroundings.

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**Section 6: Accidental release measures**

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**Personal precautions, protective equipment, and emergency procedures;**

Use proper personal protective equipment as indicated in Section 8.

Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

**Methods and materials for containment and cleaning up;**

Due to the nature of this product, there is no special measure for collection.

Collect it into a proper container for disposal.

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**Section 7: Handling and storage**

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**Precautions for safe handling**

**Protective measures:**

Wash hands thoroughly after handling.

Wear eye protection/face protection.

Avoid damage of packaging or containers during handling.

**Advice on general occupational hygiene:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

**Conditions for safe storage, including any incompatibilities**

**Technical measures:**

In the storage area, install adequate light and ventilation systems to handle hazardous materials.

**Incompatible materials:**

No special requirement for this product.

**Conditions for safe storage:**

Store it in a well-ventilated, cool and dry store room. The storeroom should be equipped with proper facilities for accidental fire.

**Packing material:**

No information

**Section 8: Exposure controls/personal protection**

**Occupational Exposure Limits;**

OSHA PEL	Not applicable
ACGIH TLV-TWA (2015)	5 mg/m <sup>3</sup> (Triethanolamine) 0.2 ppm (Diethanolamine) (Inhalable fraction and vapor)

**Appropriate engineering controls;**

If user operations generate mist/vapours, use ventilation to keep exposure to airborne contaminants in a proper range.

Install eye washer and safety shower near handling and storage area.

Indicate the location of this facility with clear and prominent.

**Individual protection measures, such as personal protective equipment;**

Respiratory protection	Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms occur.
Hand protection	Recommend wearing protective gloves for industrial hygienic purpose.
Eye protection	Wear safety glasses.
Skin and body protection	Recommend wearing general working clothing.

**Section 9: Physical and chemical properties**

Appearance (physical state, color, etc.)	Violet liquid
Odor	Odorless
Odor threshold	No information
pH	No information
Melting point/freezing point	No information
Initial boiling point and boiling range	No information
Flash point	No information
Evaporation rate	No information
Flammability (solid, gas)	This product is not classified as flammable liquid.
Upper/lower flammability or explosive limits	No information
Vapor pressure	No information
Vapor density	No information
Relative density	No information
Solubility (ies)	No information
Partition coefficient: <i>n</i> -octanol/water	No information

Auto-ignition temperature	No information
Decomposition temperature	No information
Viscosity	No information

#### **Other information**

No information

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### **Section 10: Stability and reactivity**

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#### **Reactivity**

No information

#### **Chemical stability**

This product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

#### **Possibility of hazardous reactions**

No information

#### **Conditions to avoid**

No special requirement for this product.

#### **Incompatible materials**

No special requirement for this product.

#### **Hazardous decomposition products**

No information

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### **Section 11: Toxicological information**

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#### **Symptoms related to the physical, chemical and toxicological characteristics;**

Information on product:

No information

Information on ingredients:

Sodium carbonate

Acute toxicity (oral):	Rat LD <sub>50</sub> =2,800 mg/kg
Acute toxicity (dermal):	Rabbit LD <sub>50</sub> > 2,000 mg/kg
Acute toxicity (inhalation: dust/mist):	Rat LC <sub>50</sub> =1.2 mg/L/4h
Serious eye damage/irritation:	The rabbit tests have yielded inconsistent results in that the substance was found to be not irritating and highly irritating. In one of the tests, symptoms of the corneas, irises, and conjunctivas (redness and chemosis) developed in all of the cases in which the eyes were not washed after the application. These symptoms remained unrecoverable 14 days after the application, and were quantified by the maximum mean total Draize score of 105. Yet, in another rabbit test in which the

eyes were not washed after the application, severe cases of corneal clouding were observed 1 hour after the exposure and these symptoms continued for 7 days. The average Draize scores were 3.8 for corneas and 2 for irises, and corneal pannus and keratoconus occurred in some of the treated animals.

STOT-single exposure:

In the tests using rats, mice, and guinea pigs, symptoms of respiratory disorder such as dyspnoea and wheezing were observed immediately after the inhalation exposure and they disappeared after 3-4 hours. In oral administrations to rats, symptoms such as motor ataxia, prostration, and lethargy were observed, and they disappeared 5 days after the administration among surviving rats. In dermal administrations, although lethargy was observed 24 hours after the administration, no mortality occurred.

#### Triethanolamine

Acute toxicity (oral):

Rat LD<sub>50</sub>=8,680 mg/kg

Acute toxicity (dermal):

Rabbit LD<sub>50</sub>>2,000 mg/kg

Skin corrosion/irritation:

Skin irritation was acknowledged by high exposure levels or repeated exposure in the humans.

Serious eye damage/irritation:

Eye irritation tests using the rabbit, irritation was acknowledged and it recovered completely 14 days afterward.

Skin sensitization:

Reports of allergic contact dermatitis in human.

STOT-single exposure:

Vapor stimulates a nose as effect on the humans.

#### Diethanolamine

Acute toxicity (oral):

Rat LD<sub>50</sub>=780 mg/kg

Acute toxicity (dermal):

Rabbit LD<sub>50</sub>=13,000 mg/kg

Skin corrosion/irritation:

The stimulative grades are slight on rabbits. But moderate irritations on human.

Serious eye damage/irritation:

Severe irritation is indicated by the rabbit.

Carcinogenicity:

This product is estimated group 2B (IARC (2011)) by IARC.

Reproductive toxicity:

In rats developmental toxicity studies by oral administration in pregnancy 6 to 19 day, at 125 or 200 mg / kg or more doses, at a dose that was seen general toxicity of the mother animal, effects on reproduction were observed.

STOT-single exposure:

In oral administration test of rats, liver and kidney damage was seen. In inhalation test of rats, observed effect on the respiratory system.

STOT-repeated exposure:

In inhalation test of rats, observed effects on respiratory tract. In drinking water administration test of rats, effects on blood, kidney, and liver were seen.

#### **Delayed and immediate effects and also chronic effects from short- and long-term exposure;**

Causes skin irritation

May cause an allergic skin reaction  
Causes serious eye damage  
Suspected of causing cancer  
Suspected of damaging fertility or the unborn child  
Causes damage to liver  
May causes damage to kidney, respiratory system  
Causes damage to respiratory tract through prolonged or repeated exposure  
May causes damage to blood, liver, kidney through prolonged or repeated exposure

**Numerical measures of toxicity (such as acute toxicity estimates);**

Not applicable

**Whether the chemical is listed in the NTP Report on Carcinogens or has been found to be a potential carcinogen in the IARC Monographs, or by OSHA;**

IARC: Listed as Group2B (Diethanolamine)

NTP Report: Not listed

OSHA: Not listed

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**Section 12: Ecological information**

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**Ecotoxicity:**

Information on product: No information

Information on ingredients:

Sodium carbonate

Aquatic acute toxicity: Crustaceans (*Daphnia magna*) 48h EC<sub>50</sub>=250mg/L

Aquatic chronic toxicity: No information

Triethanolamine

Aquatic acute toxicity: Algae (*Scenedesmus subspicatus*) 96h EC<sub>50</sub>=169 mg/L

Crustaceans (*Daphnia magna*) 24h EC<sub>50</sub>=1,386 mg/L

Fish (Fathead minnow) 96h LC<sub>50</sub>=11,800 mg/L

Aquatic chronic toxicity: Crustaceans (*Daphnia magna*) 21d NOEC=16 mg/L

Diethanolamine

Aquatic acute toxicity: Crustaceans (*Daphnia magna*) 48h LC<sub>50</sub>=2.15 mg/L

Algae (*Pseudokirchneriella subcapitata*) 96h EC<sub>50</sub>=2.1-2.3 mg/L

Aquatic chronic toxicity: Crustaceans (*Daphnia magna*) 21d NOEC=0.78 mg/L

**Persistence and degradability:**

Information on product: No information

Information on ingredients:

Triethanolamine

Biodegradability by BOD=0%



Diethanolamine

Biodegradability by BOD=51.4%

**Bioaccumulative potential:**

Information on product: No information

Information on ingredients: No information

**Mobility in soil:**

Information on product: No information

Information on ingredients: No information

**Other adverse effects:**

No information

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**Section 13: Disposal considerations**

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**Waste treatment methods**

Dispose of waste in accordance with applicable local, regional and international regulations and standards.

When disposing, consult to a certificated waste trader or local offices if they deal with the waste.

Used container should be recycled after cleaning or dispose of in compliance with related laws and local regulations.

Contents should be removed completely when dispose of empty containers.

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**Section 14: Transport information**

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**UN number** Not applicable

**UN proper shipping name** Not applicable

**Transport hazard class(es)** Not applicable

**Packing group** Not applicable

**Environmental hazards** Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and IBC code**

Not applicable

**Special precautions for user**

When transporting, avoid direct sunlight. Confirm no leakage to containers. When loading, prevent containers from falling, dropping off or damaging. Take preventive measures of collapse.

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**Section 15: Regulatory information**

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**OSHA:** Hazardous chemical

**TSCA inventory:** All ingredients in this product are listed on the TSCA Inventory.

**TSCA SNUR:** Not listed

**SARA Title III:** Section 302 (Extremely Hazardous Substances): Not listed

Section 304 (Hazardous Substances): Not listed

Section 313 (TRI Chemicals): Listed (Diethanolamine)

**Clean Air Act:** This product does not contain any substances regulated as hazardous air

pollutants under Section 112 of the Clean Air Act.

**Clean Water Act:**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act.

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**Section 16: Other information, including date of preparation or last revision**

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**Update history:**

Date of issue: Sept. 8, 2015

**References:**

NITE GHS classification results (2015).

ACGIH, American Conference of Governmental Industrial Hygienists (2015) TLVs and BEIs.

**[Disclaimer]**

This SDS has been prepared based on the best available information however, it may not be sufficient in some cases. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.