## 1 Identification

· **Product identifier**

· **Trade name: 5-41-A purple**

· **Relevant identified uses of the substance or mixture and uses advised against**
Currently no such applications are identified.
· **Application of the substance / the mixture** alcohol based permanent marking ink

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Viscot Medical, LLC.
32 West Street
East Hanover, NJ 07936
Phone: 973-887-9273
Fax: 973-887-3961
www. viscot.com

· **Information department:**
Tel.: 973-887-9273

· **Emergency telephone number:**
973-887-9273

## 2 Hazard(s) identification

· **Classification of the substance or mixture**


GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.


GHS08 Health hazard

Carc. 1B H350 May cause cancer.


GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.


GHS09 Environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.


GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Acute 2 H401 Toxic to aquatic life.

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**


GHS02 GHS05 GHS07 GHS08 GHS09

· **Signal word** Danger

· **Hazard-determining components of labeling:**
C.I. Basic Violet 3
propan-2-ol
· **Hazard statements**
Flammable liquid and vapor.

(Contd. on page 2)

(Contd. of page 1)

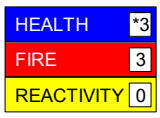
*Causes serious eye damage.*
*May cause cancer.*
*May cause drowsiness or dizziness.*
*Toxic to aquatic life.*
*Toxic to aquatic life with long lasting effects.*

· **Precautionary statements**
*Obtain special instructions before use.*
*Do not handle until all safety precautions have been read and understood.*
*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
*Ground/bond container and receiving equipment.*
*Use explosion-proof electrical/ventilating/lighting/equipment.*
*Use only non-sparking tools.*
*Take precautionary measures against static discharge.*
*Avoid breathing dust/fume/gas/mist/vapors/spray*
*Use only outdoors or in a well-ventilated area.*
*Avoid release to the environment.*
*Wear protective gloves/protective clothing/eye protection/face protection.*
*If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*
*IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
*If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
*Immediately call a poison center/doctor.*
*IF exposed or concerned: Get medical advice/attention.*
*In case of fire: Use for extinction: CO2, powder or water spray.*
*Collect spillage.*
*Store in a well-ventilated place. Keep container tightly closed.*
*Store in a well-ventilated place. Keep cool.*
*Store locked up.*
*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Classification system:**
· **NFPA ratings (scale 0 - 4)**


*Health = 3*
*Fire = 3*
*Reactivity = 0*

· **HMIS-ratings (scale 0 - 4)**




*Health = *3*
*Fire = 3*
*Reactivity = 0*

· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** *Not applicable.*
· **vPvB:** *Not applicable.*

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
*Mixture of the following substances, containing non-hazardous substances and colouring agents.*
· **Description:** *Mixture of the substances listed below with nonhazardous additions.*

| · **Dangerous components:** | | |
|---|---|---|
| 67-63-0 | propan-2-ol | 10-25% |
| 548-62-9 | C.I. Basic Violet 3 | 2.5-10% |

· **Additional information:** *For the wording of the listed hazard phrases refer to section 16.*

## 4 First-aid measures

· **Description of first aid measures**
· **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
· **After skin contact:** *Generally the product does not irritate the skin.*
· **After eye contact:** *Rinse opened eye for several minutes under running water. Then consult a doctor.*
· **After swallowing:** *If symptoms persist consult doctor.*
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed**
*No further relevant information available.*
· **Indication of any immediate medical attention and special treatment needed**
*No further relevant information available.*



(Contd. on page 3)

(Contd. of page 2)

## 5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **Special hazards arising from the substance or mixture** No further relevant information available.
· **Advice for firefighters**
· **Protective equipment:** No special measures required.

## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Wear protective clothing.
· **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
· **Protective Action Criteria for Chemicals**

| · **PAC-1:** | | |
|---|---|---|
| 67-63-0 | propan-2-ol | 400 ppm |
| 548-62-9 | C.I. Basic Violet 3 | 0.082 mg/m³ |

| · **PAC-2:** | | |
|---|---|---|
| 67-63-0 | propan-2-ol | 2000* ppm |
| 548-62-9 | C.I. Basic Violet 3 | 0.9 mg/m³ |

| · **PAC-3:** | | |
|---|---|---|
| 67-63-0 | propan-2-ol | 12000** ppm |
| 548-62-9 | C.I. Basic Violet 3 | 83 mg/m³ |

## 7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep receptacle tightly sealed.
· **Storage class:** 3
· **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

| **67-63-0 propan-2-ol (10-25%)** | |
|---|---|
| PEL | Long-term value: 980 mg/m³, 400 ppm |

(Contd. on page 4)

(Contd. of page 3)

| | |
|---|---|
| REL | Short-term value: 1225 mg/m³, 500 ppm<br>Long-term value: 980 mg/m³, 400 ppm |
| TLV | Short-term value: 984 mg/m³, 400 ppm<br>Long-term value: 492 mg/m³, 200 ppm<br>BEI |

· **Ingredients with biological limit values:**

**67-63-0 propan-2-ol (10-25%)**

| | |
|---|---|
| BEI | 40 mg/L<br>Medium: urine<br>Time: end of shift at end of workweek<br>Parameter: Acetone (background, nonspecific) |

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.
· **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
If only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Nitrile rubber, NBR
· **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**

Tightly sealed goggles

## 9 Physical and chemical properties

| | |
|---|---|
| · **Information on basic physical and chemical properties** | |
| · **General Information** | |
| · **Appearance:** | |
| **Form:** | Fluid |
| **Color:** | According to product specification |
| · **Odor:** | Alcohol-like |
| · **Odor threshold:** | Not determined. |
| · **Important information on protection of health and environment, and on safety.** | - |
| · **pH-value:** | Not determined. |
| · **Change in condition** | |
| **Melting point/Melting range:** | Undetermined. |
| **Boiling point/Boiling range:** | 82 °C (179.6 °F) |
| · **Flash point:** | 30 °C (86 °F) |

(Contd. on page 5)

(Contd. of page 4)

| | |
|---|---|
| · **Flammability (solid, gaseous):** | Not applicable. |
| · **Ignition temperature:** | 371 °C (699.8 °F) |
| · **Decomposition temperature:** | Not determined. |
| · **Auto igniting:** | Product is not selfigniting. |
| · **Danger of explosion:** | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · **Explosion limits:** | |
| **Lower:** | 2 Vol % |
| **Upper:** | 12.6 Vol % |
| · **Vapor pressure at 20 °C (68 °F):** | 43 hPa (32.3 mm Hg) |
| · **Density at 20 °C (68 °F):** | 1 g/cm³ (8.3 lbs/gal) |
| · **Relative density** | Not determined. |
| · **Vapor density** | Not determined. |
| · **Evaporation rate** | Not determined. |
| · **Solubility in / Miscibility with** | |
| **Water:** | Fully miscible. |
| · **Partition coefficient (n-octanol/water):** | Not determined. |
| · **Viscosity:** | |
| **Dynamic:** | Not determined. |
| **Kinematic:** | Not determined. |
| · **Solvent content:** | |
| **Organic solvents:** | 46.0 % |
| **Water:** | 49.0 % |
| **Solids content:** | 5.0 % |
| · **Other information** | The physical and chemical properties given in Section 9.1 are rough data only, which are partially derived from the component's data of the mixture. These data are no binding product specifications. |

## 10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

**67-63-0 propan-2-ol**

| | | |
|---|---|---|
| Oral | LD50 | 4,570 mg/kg (rat) |
| Dermal | LD50 | 13,400 mg/kg (rab) |
| Inhalative | LC50/4 h | 30 mg/l (rat) |

· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** Strong irritant with the danger of severe eye injury.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
Carcinogenic.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

(Contd. on page 6)

(Contd. of page 5)

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

| **67-63-0 propan-2-ol** | |
|---|---|
| LC50 / 96h | 10,000 mg/l (Fish) |

· **Persistence and degradability** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:** Toxic for fish
· **Additional ecological information:**
· **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

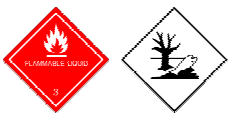
## 14 Transport information

· **UN-Number**
· **DOT, ADR, IMDG, IATA** UN1263

· **UN proper shipping name**
· **DOT** Paint
· **ADR** 1263 PAINT, ENVIRONMENTALLY HAZARDOUS
· **IMDG** PAINT (triarylmethane dye, violet), MARINE POLLUTANT
· **IATA** PAINT

· **Transport hazard class(es)**

· **DOT**



· **Class** 3 Flammable liquids
· **Label** 3

· **ADR**

· **Class** 3 (F1) Flammable liquids

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| | |
|---|---|
| · **Label** | 3 |
| · **IMDG** | |
|  | |
| · **Class** | 3 Flammable liquids |
| · **Label** | 3 |
| · **IATA** | |
|  | |
| · **Class** | 3 Flammable liquids |
| · **Label** | 3 |
| · **Packing group** | |
| · **DOT, ADR, IMDG, IATA** | III |
| · **Environmental hazards:** | Product contains environmentally hazardous substances: triarylmethane dye, violet |
| · **Marine pollutant:** | Yes<br>Symbol (fish and tree) |
| · **Special marking (ADR):** | Symbol (fish and tree) |
| · **Special precautions for user** | Warning: Flammable liquids |
| · **Danger code (Kemler):** | 30 |
| · **EMS Number:** | F-E,S-E |
| · **Stowage Category** | A |
| · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** | Not applicable. |
| · **Transport/Additional information:** | |
| · **DOT** | |
| · **Quantity limitations** | On passenger aircraft/rail: 60 L<br>On cargo aircraft only: 220 L |
| · **Remarks:** | Special marking with the symbol (fish and tree). |
| · **ADR** | |
| · **Excepted quantities (EQ)** | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · **IMDG** | |
| · **Limited quantities (LQ)** | 5L |
| · **Excepted quantities (EQ)** | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · **Remarks:** | 1263 Paint (dye-stuff: C.I. Basic Violet 3), Marine Pollutant |
| · **UN "Model Regulation":** | UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS |

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Sara**

· **Section 355 (extremely hazardous substances):**
None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**
None of the ingredients is listed.

· **Hazardous Air Pollutants**
None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

| | |
|---|---|
| 548-62-9 | C.I. Basic Violet 3 |

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

(Contd. on page 8)

(Contd. of page 7)

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

· **DSL/NDSL (Canada)** All ingredients are listed

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**
None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

| | | |
|---|---|---|
| 67-63-0 | propan-2-ol | A4 |

· **MAK (German Maximum Workplace Concentration)**
None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS02 GHS05 GHS07 GHS08 GHS09

· **Signal word** Danger

· **Hazard-determining components of labeling:**
C.I. Basic Violet 3
propan-2-ol

· **Hazard statements**
Flammable liquid and vapor.
Causes serious eye damage.
May cause cancer.
May cause drowsiness or dizziness.
Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center/doctor.
IF exposed or concerned: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· **Technical instructions (air):**

| Class | Share in % |
|---|---|
| NK | 25-50 |

· **Water hazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.



(Contd. on page 9)

(Contd. of page 8)

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Date of preparation / last revision** 07/30/2019 / 14

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 3: Flammable liquids – Category 3
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Carc. 1B: Carcinogenicity – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 2: Hazardous to the aquatic environment – acute aquatic hazard – Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment – long-term aquatic hazard – Category 2