



ISO 9001:2015 Certified

# SAFETY DATA SHEET

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Preparation Date: 01/01/2019

Revision Date: N/A

**Revision Number: 1** 

# **SECTION 1** identification

# **1.1. Product Identifier**

Trade Name or Designation: Iodine Tincture, 2% Product Number: PS18061

**1.2. Recommended Use and Restrictions on Use** General Laboratory Reagent

# 1.3. Details of the Supplier of the Safety Data Sheet

# **Dawn Scientific Inc**

121 Liberty Street, Metuchen, NJ, 08840 Tel : 732-902-6300 | Fax : 973-802-1005 sales@dawnscientific.com | www.dawnscientific.com

# 1.4. Emergency Telephone Number (24 hours)

CHEMTREC (USA) 800-424-9300 CHEMTREC (International) 1+ 703-527-3887

### SECTION 2: Hazard(s) Identification

# 2.1. Classification of the Substance or Mixture

For the full text of the Hazard and Precautionary Statements listed below, see Section 16.

|   |            | Hazard |  |
|---|------------|--------|--|
| Hazard Class  | Category   |        | Precautionary Statements:  |
| Acute Toxicity - Oral   | Category 4 | H302   | P264, P270, P301+P312, P330, P501  |
| Skin Corrosion / Irritation   | Category 2 | H315   | P264, P280, P302+P352, P321, P332+P313,<br>P362  |
| Eye Damage / Irritation   | Category 1 | H318   | P280, P305+P351+P338, P310   |
| Skin Sensitizer   | Category 1 | H317   | P261, P272, P280, P302+P352, P332+P313,<br>P321, P363, P501                                |
| Germ Cell Mutagenicity  | Category 1 | H340   | P201, P202, P280, P308+P313, P405, P501  |
| Reproductive Toxicity   | Category 1 | H360   | P201, P202, P280, P308+P313, P405, P501  |
| Specific Target Organs/Systemic Toxicity Following Single<br>Exposure   | Category 1 | H370   | P260, P264, P270, P307+P311, P321, P405,<br>P501   |
| Specific Target Organs/Systemic Toxicity Following Repeated<br>Exposure | Category 1 | H372   | P260, P264, P270, P314, P501   |
| Flammable Liquids   | Category 2 | H225   | P210, P233, P240, P241, P242, P243, P280,<br>P303+P361+P353, P370+P378, P403+P235,<br>P501 |
| Hazardous to the Aquatic Environment (Acute)                            | Category 2 | H401   | P273, P501   |
| Hazardous to the Aquatic Environment (Chronic)                          | Category 2 | H411   | P273, P391, P501   |

#### 2.2. GHS Label Elements





Danger

# Hazard Statements:

| Hazard Number | Hazard Statement  |
|---------------|---|
| H225          | Highly flammable liquid and vapor.                              |
| H302          | Harmful if swallowed.   |
| H315          | Causes skin irritation.   |
| H317          | May cause an allergic skin reaction.                            |
| H318          | Causes serious eye damage.                                      |
| H340          | May cause genetic defects.                                      |
| H360          | May damage fertility or the unborn child.                       |
| H370          | Causes damage to organs.  |
| H372          | Causes damage to organs through prolonged or repeated exposure. |
| H401          | Toxic to aquatic life.  |
| H411          | Toxic to aquatic life with long lasting effects.                |

## Precautionary Statements:

| P201Obtain special instructions balaro usa.P202Bo not handle until all setty presentions have been read and undestatod.P203Keep cavary from heat, sparks and open fame. No anolong.P2040Ground container and receiving equipment.P2040Ground container and receiving equipment.P2041Use explosion-proof equipment.P2042Use explosion-proof equipment.P2043Use explosion-proof equipment.P2044Take presendatorasy messures againt static discharge.P2045Do not breathe furnes, mist vapors, or spray.P2045Noir breathe furnes, mist vapors, or spray.P2045Wash arms, hands and face thoroughly after handling.P2045Vash arp rotecting doves and yee prodection.P2045Vash arp rotecting doves and yee prodection.P2045Vash prodecting doves and yee prodection.P2045P2045P2045P2045P2045P2045P2045P2045P2045P2045P2045P2045P2045P2045P2045P2045P2045 <th>Precautionary Number</th> <th>Precautionary Statement</th>  | Precautionary Number | Precautionary Statement  |
|---|----------------------|--|
| P210   Keep away from heat, sparks and open flame. No smoking.     P233   Keep container tightly closed.     P240   Ground container and receiving equipment.     P241   Use explosition proof equipment.     P242   Lue only non-sparking look.     P243   Take precautionary measures against static discharge.     P244   Take precautionary measures against static discharge.     P245   Avid breathing lumes, mist, vapos, or spray.     P246   Weak ams, hands and load to ach toroughly after handling.     P270   Do not acid, drink or smoke when using this product.     P272   Containitied work clothing must not be allowed out of the workplace.     P272   Avid reliases to the environment.     P273   Avid reliase to the environment.     P274   FINE NKN. Wash with plothy of scapa and water.     P202-P382   IF ON SKN. Vor haity: Take of immediately all contaminated chring. Finase adin with water.     P303-P361-P383   IF IN SKN. Kor haity: Take of immediately all contaminated chring. Finase adin water.     P303-P361-P384   IF IN SKN. Kor haity: Take of immediately all contaminated chring. Finase adin water.     P303-P361-P384   IF IN SKN. Kor haity: Take of immediately all contaminated chring. Finase adin with water.     P303-P361-P384 <td>P201</td> <td>Obtain special instructions before use.</td>   | P201                 | Obtain special instructions before use.  |
| P233   Kep container tightly closed.     P240   Ground container and rocewing equipment.     P241   Use only non-sparking tools.     P242   Use only non-sparking tools.     P243   Take prevalumonary measures against static discharge.     P244   Do not breathe fumes. mist, vapors, or spray.     P245   Avoid breathing fumes, mist, vapors, or spray.     P246   Avoid breathing fumes, mist, vapors, or spray.     P247   Do not east dirks or smoke when using this product.     P278   Containment dirks or smoke when using this product.     P279   Contained work dorling must not be allowed out of the workplace.     P280   Wear protective glowes and age protection.     P301-P312   IF SWALLOWED: Call POISON CENTER or physician if you feel unwell.     P302-P351   IF ON SKIN: Weah with plenty of seage and water.     P303-P351-P338   IF IN SYEE: Rines caulously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P304-P313   IF exposed: Call a POISON CENTER or physician.     P305-P351-P338   IF IN SYEE: Rines caulously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P304-P311   IF exposed: Call a POISON CENTER or physician.     P30   | P202                 | Do not handle until all safety precautions have been read and understood.                          |
| P240   Ground container and receiving equipment.     P241   Use explosion-proof equipment.     P242   Use only non-spacing backs     P243   Take precuedonary measures against static discharge.     P244   Take precuedonary measures against static discharge.     P245   Take precuedonary measures against static discharge.     P246   Mach arms, hands and face throughly after handling.     P247   Do not breather turnes, mist, vapors, or spray.     P248   Wash arms, hands and face throughly after handling.     P247   Do not ext, drink or smoke when using this product.     P2727   Do not ext, drink or smoke when using this product.     P273   Avoid releases to the anvironment.     P274   Valer releases to the anvironment.     P280   Wear protective gloves and eye protection.     P301-P312   IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.     P302-P332   IF IN EVES: Rinse cautiosally with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinking.     P303-P311   IF exposed: Call a POISON CENTER or physician.     P304-P313   IF NEVES: Rinse cautiosally with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinking.     P304-P313   | P210                 | Keep away from heat, sparks and open flame. No smoking.  |
| P241   Use explosion-prof equipment.     P242   Use only non-sparking tools.     P243   Take precautionary measures against static discharge.     P244   Take precautionary measures against static discharge.     P245   Do not breathe fumes, mist, vapors, or spray.     P246   Wash arms, hands and face thoroughly after handling.     P247   Do not eat, dirik or smoke when using this product.     P270   Do not eat, dirik or smoke when using this product.     P272   Contaminated work clothing must not be allowed out of the workplace.     P273   Avoid release to the environment.     P284   West protective gloves and eye protection.     P301-P301   IF SWALLOWED: Call POISON CENTER or physician if you feel unwell.     P302-P323   IF ON SKIN (what with plenty of scap and water.     P303-P381+P333   IF NEYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P303-P311   IF exposed or concerned: Get medical attention.     P304-P313   IF exposed or concerned: Get medical attention.     P304   P304     P314   Get medical attention (fyou feel unwell.     P325   Specific treatment (Wash areas of contact with water).     P331<  | P233                 | Keep container tightly closed.   |
| P242   Use only non-sparking tools.     P243   Take procession of the staffer times, mist, vapors, or spray.     P260   Do not breattle times, mist, vapors, or spray.     P261   Avoid breatting times, mist, vapors, or spray.     P264   Wash arms, hands and face thoroughly after handling.     P270   Do not exit, think or smoke when using this product.     P271   Contaminated work clothing must not be allowed out of the workplace.     P272   Avoid release to the environment.     P280   Wear protective gloves and eye protection.     P301-P312   IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.     P303-P381-P333   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Pinse skin with water.     P303-P381-P333   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Pinse skin with water.     P303-P381-P333   IF IN EVES: Rines cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P304-P313   IF exposed or concerned. Get medical attention.     P304-P314   IF exposed or concerned. Get medical attention.     P304-P315   IF exposed or concerned. Get medical attention.     P304   Get medical attention if you feel unwell.     P304   Get medical attention   | P240                 | Ground container and receiving equipment.  |
| P243   Take proceationary measures against static discharge.     P280   Do not breathe furnes, mist, vapors, or spray.     P281   Avoid breathing furnes, mist, vapors, or spray.     P284   Wash arms, hands and face thoroughly after handling.     P287   Do not eat, drink or smoke when using this product.     P272   Do not eat, drink or smoke when using this product.     P273   Avoid release to the environment.     P284   Wear protective gloves and eye protection.     P301-P312   IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.     P302-P382   IF ON SKIN (Vash with perty of saog and water.     P303-P381-P338   IF IN SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P381-P338   IF IN SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P381-P338   IF IN SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P381-P338   IF IN SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P381-P338   IF IN SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P311   IF exposed: Call a POISON CENTER or physician.     P304-P333   IF exposed: Call a detinton. <tr< td=""><td>P241</td><td>Use explosion-proof equipment.</td></tr<> | P241                 | Use explosion-proof equipment.   |
| P260   Do not breathe fumes, mist, vapors, or spray.     P261   Avoid breathing fumes, mist, vapors, or spray.     P264   Wash arms, hands and face thoroughly after handling.     P270   Do not eat, drink or smoke when using this product.     P271   Contaminated work dorbing must not be allowed out of the workplace.     P272   Contaminated work dorbing must not be allowed out of the workplace.     P273   Avoid release to the environment.     P280   Wear protective glows and eye protection.     P301-P312   IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.     P302-P352   IF ON SKIN (vr hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P361-P338   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P305-P351-P338   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P307-P311   IF exposed: Call a POISON CENTER or physician.     P308-P313   IF exposed or concened: Get medical attention.     P301   P301     P301   Fone detail attention if you feel unwell.     P314   Get medical attention if you feel unwell.     P323   Specific treatment (Wash  | P242                 | Use only non-sparking tools.   |
| P261   Avoid breathing fumes, mist, vapors, or spray.     P264   Wash arms, hands and face thoroughly after handling.     P270   Do not eat, drink or smoke when using this product.     P272   Contaminated work clothing must not be allowed out of the workplace.     P273   Avoid release to the environment.     P284   Wear protective gloves and eye protection.     P301+P312   IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.     P302+P352   IF ON SKIN. Wash with plenty of spag and water.     P303+P361+P353   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303+P361+P353   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P303+P311   IF exposed or concerned: Get medical attention.     P307+P311   IF exposed or concerned: Get medical attention.     P308+P313   IF exposed or concerned: Get medical attention.     P301+P314   Get medical tention if you feel unwell.     P301+P313   IF exposed or concerned: Get medical attention.     P301+P314   Get medical attention.     P310   Immediately call a POISON CENTER or physician.     P311   Get medical tention if you feel unwell.     P312<   | P243                 | Take precautionary measures against static discharge.  |
| P284   Wash arms, hands and face throughly after handling.     P270   Do not eat, drink or smoke when using this product.     P272   Contaminated work clothing must not be allowed out of the workplace.     P273   Avoid release to the environment.     P280   Wear protective gloves and eye protection.     P301+P312   IF SVALLOWED. Call a POISON CENTER or physician if you feel unwell.     P302+P332   IF ON SKIN. Wash with plenty of soap and water.     P303+P361+P333   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303+P361+P333   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303+P361+P333   IF EN SKEL Contaminated clothing. Rinse skin with water.     P303+P361+P333   IF exposed: Call a POISON CENTER or physician.     P303+P311   IF exposed: Call a POISON CENTER or physician.     P307+P311   IF exposed or concerned: Get medical attention.     P308+P313   IF exposed or concerned: Get medical attention.     P310   Immediately call a POISON CENTER or physician.     P311   If exposed or concerned: Get medical attention.     P312   Specific treatment (Wash areas of contact with water).     P313   If exin initiation occurs: Get medical attention. <td>P260</td> <td>Do not breathe fumes, mist, vapors, or spray.</td>                                    | P260                 | Do not breathe fumes, mist, vapors, or spray.  |
| P270   Do not eat, drink or smoke when using his product.     P272   Contaminated work clothing must not be allowed out of the workplace.     P273   Avoid release to the environment.     P280   Wear protective gloves and eye protection.     P301-P312   IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.     P302-P325   IF ON SKIN: Wash with plenty of soap and water.     P303-P361-P333   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P361-P333   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P361-P333   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P361-P333   IF NEYES: Rinse cautously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     easy to do. Continue rinsing.   easy to do. Continue finsing.     P304-P311   IF exposed or concerned: Get medical attention.     P304-P313   IF exposed or concerned: Get medical attention.     P314   Get medical attention if you feel unwell.     P315   Specific treatment (Wash areas of contact with water).     P332-P313   If skin irritation occurs: Get medical attention.     P332-P313   If skin irritation occurs: Get medical attent  | P261                 | Avoid breathing fumes, mist, vapors, or spray.   |
| P272   Contaminated work olothing must not be allowed out of the workplace.     P273   Avoid release to the environment.     P280   Wear protective gloves and eye protection.     P301+P312   IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.     P302+P352   IF ON SKIN: Wash with plenty of scap and water.     P303+P361+P353   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P361+P353   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303-P361+P353   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P307+P311   IF exposed: Call a POISON CENTER or physician.     P308-P313   IF exposed or concerned: Get medical attention.     P304-P314   IF exposed or concerned: Get medical attention.     P301   Immediately call a POISON CENTER or physician.     P314   Get medical attention if you feel unwell.     P315   Specific treatment (Wash areas of contact with water).     P314   Get medical attention.     P321   Specific treatment (Wash areas of contact with water).     P332-P313   If skin irritation occurs: Get medical attention.     P332   Take off contaminated clo   | P264                 | Wash arms, hands and face thoroughly after handling.   |
| P273   Avoid release to the environment.     P280   Wear protective gloves and eye protection.     P301+P312   IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.     P302+P352   IF ON SKIN: Wash with plenty of soap and water.     P303-P361+P353   IF ON SKIN: Wash with plenty of soap and water.     P303-P361+P353   IF ON SKIN: Wash with plenty of soap and water.     P303-P361+P353   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P307+P311   IF exposed: Call a POISON CENTER or physician.     P308+P313   IF exposed: Call a POISON CENTER or physician.     P308+P313   IF exposed or concerned: Get medical attention.     P310   Immediately call a POISON CENTER or physician.     P311   IF exposed or concerned: Get medical attention.     P312   Specific treatment (Wash areas of contact with water).     P313   IF exposed or concerned: Get medical attention.     P321   Specific treatment (Wash areas of contact with water).     P322   Specific treatment (Wash areas of contact with water).     P323   Rinse mouth.     P332   Take off contaminated clothing and wash it before reuse.     P333   If skin intritation occurs: Ge  | P270                 | Do not eat, drink or smoke when using this product.  |
| P280   Wear protective gloves and eye protection.     P301+P312   IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.     P302+P352   IF ON SKIN: Wash with plenty of soap and water.     P303+P361+P353   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P305+P351+P338   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P307+P311   IF exposed: Call a POISON CENTER or physician.     P308+P313   IF exposed or concerned: Get medical attention.     P308   P310     P301   Immediately call a POISON CENTER or physician.     P310   Immediately call a POISON CENTER or physician.     P311   Get medical attention if you feel unwell.     P312   Specific treatment (Wash areas of contact with water).     P313   Get medical attention if you feel unwell.     P321   Specific treatment (Wash areas of contact with water).     P332   P333     P333   H skin irritation occurs: Get medical attention.     P334   Get medical attention.     P335   Yes of contaminated clothing and wash it before reuse.     P336   Wash contaminated clothing and wash it before reuse.  | P272                 | Contaminated work clothing must not be allowed out of the workplace.                               |
| P301+P312   IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.     P302+P322   IF ON SKIN: Wash with plenty of soap and water.     P303+P361+P353   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P303+P361+P353   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P305+P31+P338   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P307+P311   IF exposed c call a POISON CENTER or physician.     P308+P313   IF exposed or concerned: Get medical attention.     P308+P314   IF exposed or concerned: Get medical attention.     P3010   Immediately call a POISON CENTER or physician.     P3011   IF exposed or concerned: Get medical attention.     P3011   IF exposed or concerned: Get medical attention.     P3010   Immediately call a POISON CENTER or physician.     P3011   Immediately call a POISON CENTER or physician. <t< td=""><td>P273</td><td>Avoid release to the environment.</td></t<>          | P273                 | Avoid release to the environment.  |
| P302+P352   IF ON SKIN: Wash with plenty of soap and water.     P303+P361+P353   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P305+P351+P383   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P307+P311   IF exposed: Call a POISON CENTER or physician.     P308+P313   IF exposed or concerned: Get medical attention.     P310   Immediately call a POISON CENTER or physician.     P311   Get medical attention if you feel unwell.     P321   Specific treatment (Wash areas of contact with water).     P332   P332     P333   If skin irritation occurs: Get medical attention.     P334   Get contaminated clothing and wash it before reuse.     P335   Wash contaminated clothing before reuse.     P330   In case of fire: Use dry chemical, form or carbon dioxide to extinguish.     P330   P331     P331   If skin initiated clothing and wash it before reuse.     P330   P330     P330   P330     P330   P330     P331   If skin irritation occurs: Get medical attention.     P332   P333     P333   P334  | P280                 | Wear protective gloves and eye protection.   |
| P303+P361+P353   IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.     P305+P351+P338   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P307+P311   IF exposed: Call a POISON CENTER or physician.     P308+P333   IF exposed or concerned: Get medical attention.     P308+P314   IF exposed or concerned: Get medical attention.     P308+P313   IF exposed or concerned: Get medical attention.     P308+P314   Get medical attention if you feel unwell.     P314   Get medical attention if you feel unwell.     P321   Specific treatment (Wash areas of contact with water).     P330   Rinse mouth.     P332+P313   If skin irritation occurs: Get medical attention.     P332+P314   If skin irritation occurs: Get medical attention.     P332+P313   If skin irritation occurs: Get medical attention.     P332+P313   If skin irritation occurs: Get medical attention.     P332   Take off contaminated clothing before reuse.     P333   Nash contaminated clothing before reuse.     P334   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a   | P301+P312            | IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.                                |
| P305+P351+P338   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.     P307+P311   IF exposed: Call a POISON CENTER or physician.     P308+P313   IF exposed or concerned: Get medical attention.     P310   Immediately call a POISON CENTER or physician.     P310   Immediately call a POISON CENTER or physician.     P314   Get medical attention if you feel unwell.     P321   Specific treatment (Wash areas of contact with water).     P330   Rinse mouth.     P332+P313   If skin irritation occurs: Get medical attention.     P322   Take off contaminated clothing and wash it before reuse.     P332+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P370+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P3911   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P403   P405  | P302+P352            | IF ON SKIN: Wash with plenty of soap and water.  |
| easy to do. Continue rinsing.     P307+P311   IF exposed: Call a POISON CENTER or physician.     P308+P313   IF exposed or concerned: Get medical attention.     P310   Immediately call a POISON CENTER or physician.     P310   Immediately call a POISON CENTER or physician.     P311   Get medical attention if you feel unwell.     P321   Specific treatment (Wash areas of contact with water).     P321   Specific treatment (Wash areas of contact with water).     P330   Rinse mouth.     P332   P332     P334   If skin irritation occurs: Get medical attention.     P335   Take off contaminated clothing and wash it before reuse.     P3362   Take off contaminated clothing before reuse.     P3363   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P3364   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.  | P303+P361+P353       | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.       |
| P307+P311   IF exposed: Call a POISON CENTER or physician.     P308+P313   IF exposed or concerned: Get medical attention.     P310   Immediately call a POISON CENTER or physician.     P310   Immediately call a POISON CENTER or physician.     P314   Get medical attention if you feel unwell.     P321   Specific treatment (Wash areas of contact with water).     P330   Rinse mouth.     P332+P313   If skin irritation occurs: Get medical attention.     P362   Take off contaminated clothing and wash it before reuse.     P363   Wash contaminated clothing before reuse.     P370+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.  | P305+P351+P338       | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and |
| P308+P313   IF exposed or concerned: Get medical attention.     P310   Immediately call a POISON CENTER or physician.     P314   Get medical attention if you feel unwell.     P321   Specific treatment (Wash areas of contact with water).     P330   Rinse mouth.     P332+P313   If skin irritation occurs: Get medical attention.     P362   Take off contaminated clothing and wash it before reuse.     P370+P378   In case of fire: Use dry chemical, foarn or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.  |                      | easy to do. Continue rinsing.  |
| P310   Immediately call a POISON CENTER or physician.     P314   Get medical attention if you feel unwell.     P321   Specific treatment (Wash areas of contact with water).     P330   Rinse mouth.     P332+P313   If skin irritation occurs: Get medical attention.     P362   Take off contaminated clothing and wash it before reuse.     P363   Wash contaminated clothing before reuse.     P370+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.   | P307+P311            | IF exposed: Call a POISON CENTER or physician.   |
| P314   Get medical attention if you feel unwell.     P321   Specific treatment (Wash areas of contact with water).     P330   Rinse mouth.     P332+P313   If skin irritation occurs: Get medical attention.     P362   Take off contaminated clothing and wash it before reuse.     P363   Wash contaminated clothing before reuse.     P370+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.   | P308+P313            | IF exposed or concerned: Get medical attention.  |
| P321   Specific treatment (Wash areas of contact with water).     P330   Rinse mouth.     P332+P313   If skin irritation occurs: Get medical attention.     P362   Take off contaminated clothing and wash it before reuse.     P363   Wash contaminated clothing before reuse.     P370+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.  | P310                 | Immediately call a POISON CENTER or physician.   |
| P330   Rinse mouth.     P332+P313   If skin irritation occurs: Get medical attention.     P362   Take off contaminated clothing and wash it before reuse.     P363   Wash contaminated clothing before reuse.     P370+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.  | P314                 | Get medical attention if you feel unwell.  |
| P332+P313   If skin irritation occurs: Get medical attention.     P362   Take off contaminated clothing and wash it before reuse.     P363   Wash contaminated clothing before reuse.     P370+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.  | P321                 | Specific treatment (Wash areas of contact with water).   |
| P362   Take off contaminated clothing and wash it before reuse.     P363   Wash contaminated clothing before reuse.     P370+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.  | P330                 | Rinse mouth.   |
| P363   Wash contaminated clothing before reuse.     P370+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.  | P332+P313            | If skin irritation occurs: Get medical attention.  |
| P370+P378   In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.     P391   Collect spillage.     P403+P235   Store in a well-ventilated place. Keep cool.     P405   Store locked up.  | P362                 | Take off contaminated clothing and wash it before reuse.   |
| P391 Collect spillage.   P403+P235 Store in a well-ventilated place. Keep cool.   P405 Store locked up.   | P363                 | Wash contaminated clothing before reuse.   |
| P403+P235 Store in a well-ventilated place. Keep cool.   P405 Store locked up.  | P370+P378            | In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.                           |
| P405 Store locked up.   | P391                 | Collect spillage.  |
|   | P403+P235            | Store in a well-ventilated place. Keep cool.   |
|   | P405                 | Store locked up.   |
| P501 Dispose of contents in accordance with local, state, federal and international regulations.  | P501                 | Dispose of contents in accordance with local, state, federal and international regulations.        |

# 2.4. Hazards not Otherwise Classified or Covered by GHS

Data not available.

SECTION 3: Composition / Information on Ingredients

# 3.1. Components of Substance or Mixture

| Chemical Name     | Formula                             | Molecular Weight | CAS Number | Weight% |
|-------------------|-------------------------------------|------------------|------------|---------|
| Ethyl Alcohol     | CH <sub>3</sub> CH <sub>2</sub> OH  | 46.06 g/mol      | 64-17-5    | 96      |
| lodine            |                                     | 253.80 g/mol     | 7553-56-2  | 2       |
| Isopropyl Alcohol | CH <sub>3</sub> CHOHCH <sub>3</sub> | 60.09 g/mol      | 67-63-0    | 2       |
| Methyl Alcohol    | CH₃OH                               | 32.04 g/mol      | 67-56-1    | 2       |

# SECTION 4: First-Aid Measures

### 4.1. General First Aid Information

| Eye Contact:  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva. |
|---------------|---|
| Inhalation:   | Not expected to require first aid. If necessary, remove to fresh air.   |
| Skin Contact: | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. May cause irritation. Will stain skin.   |
| Ingestion:    | IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Dilute immediately with water or milk. Induce vomiting. Call a physician.   |

### 4.2. Most Important Symptoms and Effects, Acute and Delayed

Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause genetic defects. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Flammable liquid. Primarily toxic by ingestion. May be fatal or cause blindness if swallowed. If ingested, give large quantity of water and induce vomiting. Call a physician. Contact may cause dryness, staining and cracking of the skin. May cause irritation to the eyes. Wash areas of contact with plenty of water. May cause irritation of the respiratory system. EYE CONTACT: May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva. SKIN CONTACT: May cause irritation. Will stain skin. CHRONIC EFFECTS / CARCINOGENICITY: Chronic ingestion of large amounts may result in thyroid disease.

# 4.3. Medical Attention or Special Treatment Needed

Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops. Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Wash areas of contact with soap and water for at least 15 minutes. Call a physician if irritation develops. Dilute immediately with water or milk. Induce vomiting. Call a physician.

# SECTION 5: Fire-Fighting Measures

# 5.1. Extinguishing Media

In case of fire: Use dry chemical, foam or carbon dioxide to extinguish. Use water spray, dry chemical, alcohol foam, or carbon dioxide for extinguishing the surrounding fire. Water spray can be used to dilute spills to non-flammable mixtures.

# 5.2. Specific Hazards Arising from the Substance or Mixture

Highly flammable liquid and vapor. Vapors can flow along surfaces to distant ignition source and flashback. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire. Explosion hazard when exposed to heat, flame or oxidizers.

# 5.3. Special Protective Equipment for Firefighters

Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

# 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection.

### 6.2. Cleanup and Containment Methods and Materials

Remove all sources of ignition. Contain spill. Do not flush to sewer. Absorb with suitable inert material (vermiculite, dry sand, etc) and place in a chemical waste container for proper disposal in an approved waste disposal facility. Ventilate area of spill. Have extinguishing agent available in case of fire. Use non-sparking tools and equipment. Dispose of in accordance with local regulations.

#### SECTION 7: Handling and Storage

## 7.1. Precautions for Safe Handling and Storage Conditions

Store locked up. As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage. Store in secure, flammable storage area away from all sources of ignition. Empty containers may be hazardous since they retain product residues.

#### SECTION 8: Exposure Controls / Personal Protection

# 8.1 Control Parameters

| Chemical Name               | Limit Type  | Country | Exposure Limit                       | Information Source                    |
|-----------------------------|-------------|---------|--------------------------------------|---------------------------------------|
| Ethyl Alcohol (64-17-5)     | TWA         | USA     | 1000 ppm TWA; 1900                   | U.S OSHA - Final PELs - Time          |
|                             |             |         | mg/m³ TWA                            | Weighted Averages (TWAs)              |
| Ethyl Alcohol (64-17-5)     | TLV-STEL    | USA     | 1000 ppm STEL                        | ACGIH - Threshold Limit Values -      |
|                             |             |         |                                      | Short Term Exposure Limits            |
|                             |             |         |                                      | (TLV-STEL)                            |
| Methyl Alcohol (67-56-1)    | TWA         | USA     | 200 ppm TWA; 260 mg/m <sup>3</sup>   | U.S OSHA - Final PELs - Time          |
|                             |             |         | TWA                                  | Weighted Averages (TWAs)              |
| Methyl Alcohol (67-56-1)    | TLV-STEL    | USA     | 250 ppm STEL                         | ACGIH - Threshold Limit Values -      |
|                             |             |         |                                      | Short Term Exposure Limits            |
|                             |             |         |                                      | (TLV-STEL)                            |
| Methyl Alcohol (67-56-1)    | TLV-TWA     | USA     | 200 ppm TWA                          | ACGIH - Threshold Limit Values - Time |
|                             |             |         |                                      | Weighted Averages (TLV-TWA)           |
| Isopropyl Alcohol (67-63-0) | TWA         | USA     | 400 ppm TWA; 980 mg/m <sup>3</sup>   | U.S OSHA - Final PELs - Time          |
|                             |             |         | TWA                                  | Weighted Averages (TWAs)              |
| Isopropyl Alcohol (67-63-0) | TLV-STEL    | USA     | 400 ppm STEL                         | ACGIH - Threshold Limit Values -      |
|                             |             |         |                                      | Short Term Exposure Limits            |
|                             |             |         |                                      | (TLV-STEL)                            |
| Isopropyl Alcohol (67-63-0) | TLV-TWA     | USA     | 200 ppm TWA                          | ACGIH - Threshold Limit Values - Time |
|                             |             |         |                                      | Weighted Averages (TLV-TWA)           |
| lodine (7553-56-2)          | TLV-STEL    | USA     | 0.1 ppm STEL (aerosol and            | ACGIH - Threshold Limit Values -      |
|                             |             |         | vapor)                               | Short Term Exposure Limits            |
|                             |             |         |                                      | (TLV-STEL)                            |
| lodine (7553-56-2)          | TLV-TWA     | USA     | 0.01 ppm TWA (inhalable              | ACGIH - Threshold Limit Values - Time |
|                             |             |         | fraction and vapor)                  | Weighted Averages (TLV-TWA)           |
| lodine (7553-56-2)          | PEL-Ceiling | USA     | 0.1 ppm Ceiling; 1 mg/m <sup>3</sup> | U.S OSHA - Final PELs - Ceiling       |
|                             |             |         | Ceiling                              | Limits                                |

#### 8.2. Exposure Controls

| Engineering Controls:          | A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne            |
|--------------------------------|--|
|                                | Exposure Limit.  |
| <b>Respiratory Protection:</b> | Normal room ventilation is adequate. If the exposure limit is exceeded, a full facepiece respirator with organic |
|                                | vapor cartridge may be worn.   |
| Skin Protection:               | Wear protective gloves and eye protection. Chemical resistant gloves.  |
| Eye Protection:                | Wear protective gloves and eye protection. Safety glasses or goggles.  |

## 8.3. Personal Protective Equipment

Wear protective gloves and eye protection. Normal room ventilation is adequate. If the exposure limit is exceeded, a full facepiece respirator with organic vapor cartridge may be worn. Chemical resistant gloves. Safety glasses or goggles.

#### SECTION 9: Physical and Chemical Properties

# 9.1. Basic Physical and Chemical Properties

| Appearance: Deep orange liquid |   |  |  |
|--------------------------------|---|--|--|
| Physical State: Liquid         |   |  |  |
| Odor:                          | Data not available.                     |  |  |
| Odor Threshold:                | Data not available.                     |  |  |
| pH:                            | Data not available.                     |  |  |
| Melting/Freezing Point:        | Data not available.                     |  |  |
| Initial Boiling Point/Range:   | Approximately 76°C - Approximately 76°C |  |  |
| Flash Point:                   | 12.5°C                                  |  |  |
| Evaporation Rate:              | Data not available.                     |  |  |
| Flammability:                  | Data not available.                     |  |  |
| Flammability/Explosive Limits: | Data not available.                     |  |  |
| Vapor Pressure:                | Data not available.                     |  |  |
| Vapor Density:                 | Data not available.                     |  |  |
| Relative Density:              | 0.81                                    |  |  |
| Solubility:                    | Data not available.                     |  |  |
| Partition Coefficient:         | Data not available.                     |  |  |
| Auto-Ignition Temperature:     | Data not available.                     |  |  |
| Decomposition Temperature:     | Data not available.                     |  |  |
| Viscosity:                     | Data not available.                     |  |  |
| Explosive Properties:          | Data not available.                     |  |  |
| Oxidizing Properties:          | Data not available.                     |  |  |

#### SECTION 10: Stability and Reactivity

# 10.1. Reactivity and Chemical Stability

Stable under normal conditions of use and storage.

# 10.2. Possibility of Hazardous Reactions

Data not available.

## 10.3. Conditions to Avoid and Incompatible Materials

Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed. Oxidizers, platinum, Sodium, Potassium Dioxide,

Bromine Pentafluoride, Acetyl Bromide, Acetyl Chloride, concentrated Nitric Acid, Sulfuric Acid, heat, sparks, open flame.

## **10.4. Hazardous Decomposition Products**

Will not occur.

#### 11.1. Information on Toxicological Effects

#### Acute Toxicity - Oral Exposure:

Harmful if swallowed. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. Dispose of contents in accordance with local, state, federal and international regulations.

### Acute Toxicity - Dermal Exposure:

Not applicable.

#### Acute Toxicity - Inhalation Exposure:

Not applicable.

#### Acute Toxicity - Other Information:

LD50, Oral, Rat: (Methanol) 5628 mg/kg, (Iodine) 14 gm/kg, details of toxic effects not reported other than lethal dose value, (Ethanol) 7060 mg/kg, respiration changes noted, (Isopropanol) 5045 mg/kg, behavioral effects noted.

#### Skin Corrosion and Irritation:

Causes skin irritation. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF ON SKIN: Wash with plenty of soap and water. Specific treatment (Wash areas of contact with water). If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

#### Serious Eye Damage and Irritation:

Causes serious eye damage. Wear protective gloves and eye protection. 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 or physician.

# **Respiratory Sensitization:**

Not applicable.

#### Skin Sensitization:

May cause an allergic skin reaction. Avoid breathing fumes, mist, vapors, or spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves and eye protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Specific treatment (Wash areas of contact with water). Wash contaminated clothing before reuse. Dispose of contents in accordance with local, state, federal and international regulations.

# Germ Cell Mutagenicity:

May cause genetic defects. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

# Carcinogenicity:

Not applicable.

#### **Reproductive Toxicity:**

May damage fertility or the unborn child. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

## Specific Target Organ Toxicity from Single Exposure:

Causes damage to organs. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF exposed: Call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

#### Specific Target Organ Toxicity from Repeated Exposure:

Causes damage to organs through prolonged or repeated exposure. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Get medical attention if you feel unwell. Dispose of contents in accordance with local, state, federal and international regulations.

#### Aspiration Hazard:

Not applicable.

#### Additional Toxicology Information:

Data not available.

# SECTION 12: Ecological Information

# 12.1. Ecotoxicity

Toxic to aquatic life. Avoid release to the environment. Dispose of contents in accordance with local, state, federal and international regulations. Toxic to aquatic life with long lasting effects. Avoid release to the environment. Collect spillage. Dispose of contents in accordance with local, state, federal and international regulations.

# 12.2. Persistence and Degradability

Data not available.

# 12.3. Bioaccumulative Potential

Data not available.

# 12.4. Mobility in Soil

Data not available.

# 12.5. Other Adverse Ecological Effects

Data not available.

SECTION 13: Disposal Considerations

# 13.1. Waste Treatment Methods

Data not available.

# SECTION 14: Transportation Information

# 14.1. Transportation by Land-Department of Transportation (DOT, United States of America)

| Sizes:                | 25 mL, 100 mL, 500 mL                |
|-----------------------|--------------------------------------|
| UN Number:            | UN1987                               |
| Proper Shipping Name: | Alcohols, n.o.s. (Ethanol, Methanol) |
| Hazard Class:         | 3                                    |
| Packing Group:        | II                                   |
| Hazard Label(s):      |                                      |
|                       | FLAMMABLE                            |
|                       | 3                                    |

# 14.2. Transportation by Air - International Air Transport Association (IATA)

| Sizes:                | 25 mL, 100 mL, 500 mL                |
|-----------------------|--------------------------------------|
| UN Number:            | UN1987                               |
| Proper Shipping Name: | Alcohols, n.o.s. (Ethanol, Methanol) |
| Hazard Class:         | 3                                    |
| Packing Group:        | II                                   |
| Hazard Label(s):      |                                      |
|                       | FLAMMABLE                            |
|                       | 3                                    |

#### 14.3 Transportation of Dangerous Goods (TDG, Canada)

| Sizes:                | 25 mL, 100 mL, 500 mL                |
|-----------------------|--------------------------------------|
| UN Number:            | UN1987                               |
| Proper Shipping Name: | ALCOHOLS, N.O.S. (ethanol, methanol) |
| Hazard Class:         | 3                                    |
| Packing Group:        | II                                   |
| Hazard Label(s):      |                                      |
|                       | FLAMMABLE                            |
|                       | 3                                    |
|                       | •                                    |

#### SECTION 15: Regulatory Informatior

15.1. Occupational Safety and Health Administration (OSHA) Hazards

Not listed.

15.2. Superfund Amendments and Reauthorization Act (SARA) 302 Extremely Hazardous Substances Not listed.

# 15.3. Superfund Amendments and Reauthorization Act (SARA) 311/312 Hazardous Chemicals

Methyl Alcohol (CAS # 67-56-1): 5000 lb final RQ; 2270 kg final RQ

lodine (CAS # 7553-56-2): 0.001 curie final RQ; 0.000037 TBg final RQ

Iodine (CAS # 7553-56-2): 0.01 curie final RQ; 0.00037 TBg final RQ

lodine (CAS # 7553-56-2): 0.1 curie final RQ; 0.0037 TBq final RQ

lodine (CAS # 7553-56-2): 1 curie final RQ; 0.037 TBq final RQ

Iodine (CAS # 7553-56-2): 10 curie final RQ; 0.37 TBq final RQ

lodine (CAS # 7553-56-2): 100 curie final RQ; 3.7 TBg final RQ

lodine (CAS # 7553-56-2): 1000 curie final RQ; 37 TBq final RQ

# 15.4. Superfund Amendments and Reauthorization Act (SARA) 313 Toxic Release Inventory (TRI)

Methyl Alcohol (CAS # 67-56-1): 1.0 % de minimis concentration

Isopropyl Alcohol (CAS # 67-63-0): 1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

# 15.5. Massachusetts Right-to-Know Substance List

Ethyl Alcohol (CAS # 64-17-5): Teratogen

Methyl Alcohol (CAS # 67-56-1): Present

Isopropyl Alcohol (CAS # 67-63-0): Present

lodine (CAS # 7553-56-2): Present

# 15.6. Pennsylvania Right-to-Know Hazardous Substances

Ethyl Alcohol (CAS # 64-17-5): Present

Methyl Alcohol (CAS # 67-56-1): Environmental hazard

Methyl Alcohol (CAS # 67-56-1): Present

Isopropyl Alcohol (CAS # 67-63-0): Environmental hazard

Isopropyl Alcohol (CAS # 67-63-0): Present

Isopropyl Alcohol (CAS # 67-63-0): Special hazardous substance

lodine (CAS # 7553-56-2): Present

# 15.7. New Jersey Worker and Community Right-to-Know Components

Ethyl Alcohol (CAS # 64-17-5): carcinogen; flammable - third degree; mutagen; teratogen

Ethyl Alcohol (CAS # 64-17-5): sn 0844

Methyl Alcohol (CAS # 67-56-1): flammable - third degree; teratogen

Methyl Alcohol (CAS # 67-56-1): sn 1222

Methyl Alcohol (CAS # 67-56-1): SN 1222 500 lb TPQ

Isopropyl Alcohol (CAS # 67-63-0): flammable - third degree

Isopropyl Alcohol (CAS # 67-63-0): sn 1076

Isopropyl Alcohol (CAS # 67-63-0): SN 1076 500 lb TPQ (manufacturing - strong acid process only)

lodine (CAS # 7553-56-2): sn 1026

# 15.8. California Proposition 65

Ethyl Alcohol (CAS # 64-17-5): carcinogen, 4/29/2011 (in alcoholic beverages) Ethyl Alcohol (CAS # 64-17-5): carcinogen, 7/1/1988 (when associated with alcohol abuse) Ethyl Alcohol (CAS # 64-17-5): developmental toxicity, 10/1/1987 (in alcoholic beverages) Methyl Alcohol (CAS # 67-56-1): developmental toxicity, 3/16/2012 Iodine (CAS # 7553-56-2): developmental toxicity, 1/1/1989

### 15.9. Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)

Ethyl Alcohol (CAS # 64-17-5): Present (DSL) Ethyl Alcohol (CAS # 64-17-5): Present (NDSL) Methyl Alcohol (CAS # 67-56-1): Present (DSL) Methyl Alcohol (CAS # 67-63-0): Present (NDSL) Isopropyl Alcohol (CAS # 67-63-0): Present (DSL) Isopropyl Alcohol (CAS # 67-63-0): Present (NDSL) Iodine (CAS # 7553-56-2): Present (DSL)

# 15.10. United States of America Toxic Substances Control Act (TSCA) List All components of this solution are listed as active on the TSCA Inventory or are mixtures (hydrates)

of active items listed on the TSCA Inventory. Ethyl Alcohol (CAS # 64-17-5): Present Methyl Alcohol (CAS # 67-56-1): Present Isopropyl Alcohol (CAS # 67-63-0): Present

lodine (CAS # 7553-56-2): Present

# 15.11. European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified Chemical Substances (ELINCS), and No Longer Polymers (NLP)

Ethyl Alcohol (CAS # 64-17-5): 200-578-6 Ethyl Alcohol (CAS # 64-17-5): 270-649-4 Methyl Alcohol (CAS # 67-56-1): 200-659-6 Methyl Alcohol (CAS # 67-56-1): 212-378-6 Methyl Alcohol (CAS # 67-56-1): 217-435-9 Methyl Alcohol (CAS # 67-63-0): 270-649-4 Isopropyl Alcohol (CAS # 67-63-0): 200-661-7 Isopropyl Alcohol (CAS # 67-63-0): 270-649-4 Iodine (CAS # 7553-56-2): 231-442-4

#### SECTION 16: Other Information

#### 16.1. Full Text of Hazard Statements and Precautionary Statements

Highly flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause genetic defects. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed. Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves and eye protection.

IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed: Call a POISON CENTER or physician. Get medical attention if you feel unwell. Specific treatment (Wash areas of contact with water). Rinse mouth. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use dry chemical, foam or carbon dioxide to extinguish. Collect spillage.

Store in a well-ventilated place. Keep cool. Store locked up.

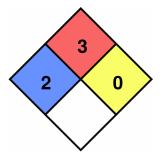
Dispose of contents in accordance with local, state, federal and international regulations.

# 16.2. Miscellaneous Hazard Classes

| Canadian Carcinogenicity Hazard Class:             | Not Applicable. |
|--|-----------------|
| Physical Hazards Not Otherwise Classified (PHNOC): | Not Applicable. |
| Health Hazards Not Otherwise Classified (HHNOC):   | Not Applicable. |
| Biohazardous Infectious Materials Hazard Class:    | Not Applicable. |
|  |                 |

16.3. National Fire Protection Association (NFPA) Rating

| Health:         | 2 |
|-----------------|---|
| Flammability:   | 3 |
| Reactivity:     | 0 |
| Special Hazard: |   |



### 16.4. Document Revision

Last Revision Date: 01/01/2019

## DISCLAIMER

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and Dawn Sciemtic Inc assumes no legal responsibility or liability whatsoever resulting from its use.