Safety Data Sheet
ISOBUTYL ACETATE

Version 1.0 Date: 06/01/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ISOBUTYL ACETATE
Product Use Description : SOLVENT

Manufacturer or supplier’s details

Company : Solvents and Petroleum Services, Inc.
Address : 1405 Brewerton Rd, Syracuse, NY 13208
800-315-4467
mark@solventsandpetroleum.com

Emergency telephone number:
Transport North America: CHEMTREC 800.424.9300

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Flammable liquids : Category 2
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

GHS Label element
Hazard pictograms :

Signal word : Danger
Hazard statements : H225 Highly flammable liquid and vapor.
H336 May cause drowsiness or dizziness.

Precautionary statements :
Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects
Aggravated Medical Condition: None known.

Symptoms of Overexposure:
Dizziness Shortness of breath Nausea Vomiting Headache Unconsciousness Lung edema Dermatitis

Carcinogenicity:
IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or
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potential carcinogen by ACGIH.

OSHA
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Emergency Overview

<table>
<thead>
<tr>
<th>DANGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
</tr>
<tr>
<td>Color</td>
</tr>
<tr>
<td>Odor</td>
</tr>
<tr>
<td>Hazard Summary</td>
</tr>
</tbody>
</table>

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Hazardous components

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-19-0</td>
<td>Isobutyl acetate</td>
<td>90 - 100</td>
</tr>
</tbody>
</table>

Molecular formula : C6H12O2

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : If on skin, rinse well with water.
If on clothes, remove clothes.
In case of eye contact: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed: Dizziness Shortness of breath Nausea Vomiting Headache Unconsciousness Lung edema Dermatitis

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical Water spray

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: Do not allow run-off from fire fighting to enter drains or water courses. Exposure to decomposition products may be a hazard to health. Fire will produce dense black smoke containing hazardous combustion products (see section 10). During a fire, irritating or toxic decomposition products may be generated. Flash back possible over considerable distance.

Specific extinguishing methods: Use a water spray to cool fully closed containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Further information: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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For safety reasons in case of fire, cans should be stored separately in closed containments.

Special protective equipment for firefighters: Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

NFPA Flammable and Combustible Liquids Classification:
Flammable Liquid Class IB

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Avoid formation of aerosol. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Components</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-19-0</td>
<td>Isobutyl acetate</td>
<td>TWA</td>
<td>150 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>150 ppm 700 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>150 ppm 700 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>150 ppm 700 mg/m³</td>
<td>OSHA P0</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In the case of vapor formation use a respirator with an approved filter.

Hand protection
Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection: Eye wash bottle with pure water
Tightly fitting safety goggles

Skin and body protection: impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid
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Color : colorless
Odor : fruit-like odor
Odor Threshold : No data available
pH : 6.7 @ 5 g/l 20 °C (68 °F)
Freezing Point (Melting point/freezing point) : < -90 °C (< -130 °F)
Boiling Point (Boiling point/boiling range) : 117 °C (243 °F)
Flash point : 22 °C (72 °F)
Evaporation rate : 1.5 - 1.7
n-Butyl Acetate
Flammability (solid, gas) : No data available
Burning rate : No data available
Upper explosion limit : 10.5 %(V)
Lower explosion limit : 1.3 %(V)
Vapor pressure : 21 hPa @ 20 °C (68 °F)
Relative vapor density : 4.0
Relative density : 0.871 @ 20 °C (68 °F)
Density : 0.871 g/cm3 @ 20 °C (68 °F)
Bulk density : No data available
Solubility(ies)
  Water solubility : 5.6 g/l @ 20 °C (68 °F)
Solubility in other solvents : No data available
  Partition coefficient: n-octanol/water : log Pow: 2.3
Auto-ignition temperature : 430 °C
Thermal decomposition : No data available
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Viscosity
  Viscosity, dynamic : 0.699 mPa.s @ 20 °C (68 °F)
  Viscosity, kinematic : 0.8 mm2/s @ 20 °C (68 °F)
Surface tension : 62.5 mN/m, 20 °C

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : Vapors may form explosive mixture with air. Hazardous polymerisation does not occur.
Conditions to avoid : Heat, flames and sparks. Elevated temperatures. Exposure to sunlight.
Incompatible materials : Strong oxidizing agents
                      : Strong acids
                      : Strong bases
Hazardous decomposition products : carbon dioxide and carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:
110-19-0:
Acute oral toxicity : LD50 (rat): 13,413 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity : LC50 (rat): 23.4 mg/l
Exposure time: 4 h
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Information given is based on data obtained
Acute dermal toxicity: LD50 (rabbit): > 17,400 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity.

Skin corrosion/irritation

Components: 110-19-0:
Species: rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Components: 110-19-0:
Species: rabbit
Result: No eye irritation

Respiratory or skin sensitisation

Components: 110-19-0:
Test Type: Maximization test
Species: guinea pig
Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Components: 110-19-0:
Genotoxicity in vitro: Test Type: Chromosome aberration test in vitro
Test species: Chinese hamster lung fibroblasts
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo: Test Type: In vivo micronucleus test
Test species: mouse
Application Route: Oral
Result: negative

Germ cell mutagenicity-Assessment
Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Carcinogenicity

**Components:** 110-19-0:
Remarks: This information is not available.

Carcinogenicity - Assessment: No evidence of carcinogenicity in animal studies.

Reproductive toxicity

**Components:** 110-19-0:
Effects on fertility: Test Type: Two-generation study
Species: rat
Application Route: Inhalation Duration of Single Treatment: 6 h Frequency of Treatment: 7 days/week
General Toxicity - Parent: NOAEL: 2,500 ppm
Method: OECD Test Guideline 416

Reproductive toxicity - Assessment: No evidence of adverse effects on sexual function and fertility, and on development, based on animal experiments.

STOT - single exposure

**Product:**
No data available

**Components:** 110-19-0:
Exposure routes: Inhalation
Target Organs: Central nervous system
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects., May cause drowsiness or dizziness.

STOT - repeated exposure

**Product:**
No data available

**Components:**
No data available
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Repeated dose toxicity

**Components:**

**110-19-0:**
Species: rat
NOAEL: 316 mg/kg
Application Route: Oral
Exposure time: 92 d

Aspiration toxicity

Further information

**Product:**
Remarks: Solvents may degrease the skin.

---

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

**Components:**

**110-19-0:**
Toxicity to fish : LC50 (Oryzias latipes (Japanese medaka)): 17 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 25 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata): 370 mg/l
Exposure time: 72 h
Test Type: static test

Ecotoxicology Assessment
Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Persistence and degradability

**Product:**
Biodegradability : Biodegradation: 81 %
Exposure time: 20 d
Remarks: Readily biodegradable

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Components:

**110-19-0:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biodegradability</td>
<td>aerobic</td>
</tr>
<tr>
<td></td>
<td>Inoculum: Sewage</td>
</tr>
<tr>
<td>Result:</td>
<td>Readily biodegradable.</td>
</tr>
<tr>
<td>Biodegradation:</td>
<td>81 %</td>
</tr>
<tr>
<td>Exposure time:</td>
<td>20 d</td>
</tr>
</tbody>
</table>

Bioaccumulative potential

**Product:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulation</td>
<td>Remarks: The substance has low potential for bioaccumulation.</td>
</tr>
</tbody>
</table>

Components:

**110-19-0:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition coefficient:</td>
<td>log Pow: 1.78</td>
</tr>
<tr>
<td>n-octanol/water</td>
<td></td>
</tr>
</tbody>
</table>

Mobility in soil

No data available

Other adverse effects

No data available

**Product:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulation</td>
<td>40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances</td>
</tr>
<tr>
<td>Remarks</td>
<td>This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).</td>
</tr>
<tr>
<td>Additional ecological information</td>
<td>No data available</td>
</tr>
</tbody>
</table>

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste from residues</td>
<td>Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact SPS at 315-454-4467.</td>
</tr>
</tbody>
</table>
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Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging: Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

IATA (International Air Transport Association): UN1213, Isobutyl acetate, (ISOBUTYL ACETATE), 3, II

IMDG (International Maritime Dangerous Goods): UN1213, ISOBUTYL ACETATE, (ISOBUTYL ACETATE), 3, II, Flash Point: 22 °C (72 °F)

DOT (Department of Transportation): UN1213, Isobutyl acetate, (ISOBUTYL ACETATE), 3, II

SECTION 15. REGULATORY INFORMATION

OSHA Hazards: Flammable liquid

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isobutyl acetate</td>
<td>110-19-0</td>
<td>5000</td>
<td>5000</td>
</tr>
</tbody>
</table>

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Fire Hazard
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SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC’s (40 CFR 60.489):

| 110-19-0 | Isobutyl acetate | 100 % |

Clean Water Act
The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A:

| 110-19-0 | Isobutyl acetate | 100 % |

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know
| 110-19-0 | Isobutyl acetate | 90 - 100 % |

Pennsylvania Right To Know
| 110-19-0 | Isobutyl acetate | 90 - 100 % |

New Jersey Right To Know
| 110-19-0 | Isobutyl acetate | 90 - 100 % |

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

| 1907/2006 (EU) | n (Negative listing) (Not in compliance with the inventory) |
| Switzerland. New notified substances and declared preparations | y (positive listing) (The formulation contains substances) |
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<table>
<thead>
<tr>
<th>Inventory Type</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States TSCA Inventory</td>
<td>y (positive listing) (On TSCA Inventory)</td>
</tr>
<tr>
<td>Canadian Domestic Substances List (DSL)</td>
<td>y (positive listing) (All components of this product are on the Canadian DSL.)</td>
</tr>
<tr>
<td>Australia Inventory of Chemical Substances (AICS)</td>
<td>y (positive listing) (On the inventory, or in compliance with the inventory)</td>
</tr>
<tr>
<td>New Zealand. Inventory of Chemical Substances</td>
<td>y (positive listing) (On the inventory, or in compliance with the inventory)</td>
</tr>
<tr>
<td>Japan. ENCS - Existing and New Chemical Substances Inventory</td>
<td>y (positive listing) (On the inventory, or in compliance with the inventory)</td>
</tr>
<tr>
<td>Japan. ISHL - Inventory of Chemical Substances (METI)</td>
<td>y (positive listing) (On the inventory, or in compliance with the inventory)</td>
</tr>
<tr>
<td>Korea. Korean Existing Chemicals Inventory (KECI)</td>
<td>y (positive listing) (On the inventory, or in compliance with the inventory)</td>
</tr>
<tr>
<td>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>y (positive listing) (On the inventory, or in compliance with the inventory)</td>
</tr>
<tr>
<td>China. Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>y (positive listing) (On the inventory, or in compliance with the inventory)</td>
</tr>
</tbody>
</table>
SECTION 16. OTHER INFORMATION

Further information

NFPA:

Flammability

Health

3

0

Instability

HMIS III:

HEALTH

1

FLAMMABILITY

3

PHYSICAL HAZARD

0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Key or legend to abbreviations and acronyms used in the safety data sheet

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Government Industrial Hygienists</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal Dose 50%</td>
</tr>
<tr>
<td>AICS</td>
<td>Australia, Inventory of Chemical Substances</td>
</tr>
<tr>
<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
</tr>
<tr>
<td>DSL</td>
<td>Canada, Domestic Substances List</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Agency</td>
</tr>
<tr>
<td>NOSL</td>
<td>Canada, Non-Domestic Substances List</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety &amp; Health</td>
</tr>
<tr>
<td>CNS</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstract Service</td>
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<tr>
<td>NZLoC</td>
<td>New Zealand Inventory of Chemicals</td>
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<td>EC50</td>
<td>Effective Concentration</td>
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<tr>
<td>NOAEL</td>
<td>No Observable Adverse Effect Level</td>
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</table>
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<table>
<thead>
<tr>
<th>EC50</th>
<th>Effective Concentration 50%</th>
<th>NOEC</th>
<th>No Observed Effect Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGEST</td>
<td>EOSCA Generic Exposure Scenario Tool</td>
<td>OSHA</td>
<td>Occupational Safety &amp; Health Administration</td>
</tr>
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<td>EOSCA</td>
<td>European Oilfield Specialty Chemicals Association</td>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
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<td>EINECS</td>
<td>European Inventory of Existing Chemical Substances</td>
<td>PICCS</td>
<td>Philipines Inventory of Commercial Chemical Substances</td>
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<tr>
<td>MAK</td>
<td>Germany Maximum Concentration Values</td>
<td>PRNT</td>
<td>Presumed Not Toxic</td>
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<tr>
<td>GHS</td>
<td>Globally Harmonized System</td>
<td>RCRA</td>
<td>Resource Conservation Recovery Act</td>
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<tr>
<td>&gt;=</td>
<td>Greater Than or Equal To</td>
<td>STEL</td>
<td>Short-term Exposure Limit</td>
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<tr>
<td>IC50</td>
<td>Inhibition Concentration 50%</td>
<td>SARASARA</td>
<td>Superfund Amendments and Reauthorization Act.</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
<td>TLV</td>
<td>Threshold Limit Value</td>
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<td>IECSC</td>
<td>Inventory of Existing Chemical Substances in China</td>
<td>TWA</td>
<td>Time Weighted Average</td>
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<tr>
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<td>Japan, Inventory of Existing and New Chemical Substances</td>
<td>TSCA</td>
<td>Toxic Substance Control Act</td>
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<tr>
<td>KECI</td>
<td>Korea, Existing Chemical Inventory</td>
<td>UVCBUVCB</td>
<td>Unknown or Variable Composition, Complex Reaction Products, and Biological Materials</td>
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<td>&lt;=</td>
<td>Less Than or Equal To</td>
<td>WHMIS</td>
<td>Workplace Hazardous Materials Information System</td>
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<tr>
<td>LC50</td>
<td>Lethal Concentration 50%</td>
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