1. IDENTIFICATION

Product Identifier
Product Name Ace Acid Aid

Other means of identification
SDS # AAA

Other Information 4 oz. -12/cs

Recommended use of the chemical and restrictions on use
Recommended Use Eliminate acid buildup in AC&R systems
Restrictions on Use N/A

Details of the supplier of the safety data sheet
Distributor Address
Atlantic Chemical & Equipment Company
3471 Atlanta Industrial Parkway
Suite 200
Atlanta, GA 30331 USA

Emergency telephone number
Company Phone Number 404-505-6626
1-800-929-2436
Emergency Telephone Chemtrec 1-800-424-9300 (USA) 1-800-567-7455 (International)

2. HAZARDS IDENTIFICATION

Classification
This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Appearance Clear yellowish liquid
Physical State Liquid
Odor Light blend petroleum

Hazards not otherwise classified (HNOC)
Not Applicable

Other Information
Not Applicable
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricant Oil</td>
<td>See Below</td>
<td>60-80</td>
</tr>
<tr>
<td>Oil Additive</td>
<td>See Below</td>
<td>20-40</td>
</tr>
</tbody>
</table>

Lubricant Oil: The specific identity and composition has been withheld as a trade secret, New Jersey Trade Secret Registry Number NJ TSRN 80100312-5019
Oil Additive: The specific identity and composition has been withheld as a trade secret, New Jersey Trade Secret Registry Number NJ TSRN 80100312-5020

4. FIRST AID MEASURES

First aid measures

General Advice
Avoid inhalation and contact with skin, eyes, or clothing. Wash hands and face before eating, drinking, or using tobacco products.

Inhalation
Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

Eye Contact
Flush eyes with water for 15 minutes. If irritation develops, consult a physician.

Ingestion
Give water. Call a physician immediately. Do not induce vomiting.

Skin Contact
Wash affected area with soap and water and rinse thoroughly. If irritation develops, consult a physician.

Aggravation of Existing Conditions
Exposure to this product is not expected to contribute to, worsen or aggravate any existing medical conditions.

Most important symptoms and effects, both acute and delayed

Symptoms
Treat symptomatically.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point: 350°F (177°C)
Test Method: Cleveland Open Cup
Explosive Limit: LEL (%): No data available; UEL (%): No data available
Autoignition Temperature: No data available

Suitable Extinguishing Media
Based on the NFPA guide, use dry chemical, carbon dioxide, water mist, water jet sprays, halogen, or alcohol foam suitable for Class B fires. Use water to cool containers exposed to fire. For large fires, use water spray, fog or alcohol foam, thoroughly drenching the burning material. NOTE: Water fog and foam may cause frothing and spattering.

Unsuitable Extinguishing Media
High volume water with full jet. Oxidizers and reducers.

Specific hazards arising from the chemical
Unusual Fire and Hazardous Combustion and Decomposition Products: Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.). Oxides of nitrogen and carbon.
Fire and Explosion Hazards: May liberate irritating or toxic vapors during combustion or decomposition.
Protective equipment and precautions for firefighters
Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved, positive-pressure, self-contained breathing apparatus (SCBA) and full protective clothing. Use flooding quantities of water as fog or spray to keep fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear impervious gloves, shoes, and protective clothing

Environmental Precautions
Prevent any contamination of local soils and water supply. Prevent ground water infiltration or any ground penetration. Avoid the spreading or entering into watercourses by using sand, soil, or other types of barriers. If contamination into water course or sewage system, alert appropriate authorities.

Methods and material for containment and cleaning up

Methods for containment
Contain with absorbent material, such as clay, soil, universal binding medium, or any commercially available absorbent. Shovel reclaimed dye and absorbent into a recovery or salvage drums for disposal. For larger spills, transfer to a salvage tank for recovery or safe disposal. Any residues should be treated like a small spill. This is not a RCRA hazardous waste per Title 40 CFR 261. Stop material from contaminating soil, or from entering sewers or bodies of water. For larger spills, transfer to a salvage tank for safe recovery/disposal. Residues are treated as small spills.

Methods for cleaning up
Either incinerate or land fill in accordance with applicable local, state and federal regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Use product only in well ventilated areas. Avoid breathing in mists or vapors from a heated product. Avoid formation of mists. Avoid heating product near flash point. Avoid prolonged or repeated contact with skin. Handle in ambient temperature.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Store in a cool, dry, well-ventilated area away from heat, ignition sources, and direct sunlight. Always keep containers tightly closed. Store away from oxidizing and reducing agents.

Empty Container Precautions
Do not reuse empty container for any purpose.

Special Warnings
Hot organic chemical vapors or mists can suddenly and without warning combust when mixed with air.

Incompatible materials
Strong Acids, Strong oxidizing agents, and Reducing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Airborne Oil Mist Exposure Limits:
ACGIH TLV: 5mg/m³, 8 hr. ACGIH STEL: 10mg/m³ OSHA PEL: 5mg/m³ 8 hr.
Appropriate engineering controls

Engineering Controls
Maintain airborne concentrations below the established exposure limits by providing adequate ventilation. General (dilution) ventilation should be acceptable. Additional local exhaust ventilation is recommended where dusts, mists or vapors may be released.

Individual protection measures, such as personal protective equipment

Eye/face Protection
Wear safety goggles with peripheral coverage approved to EU Standard EN 166, AS/NZS 1337. An eye wash facility should be readily available.

Skin and Body Protection
Wear protective clothing and appropriate impervious gloves.

Respiratory Protection
Avoid breathing vapor and/or mist. If occupational exposure limits are exceeded wear NIOSH/OSHA approved equipment. Use a respiratory protection fitted with a combination filter A-P3 for short term use. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR 1910.134.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear yellowish liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Clear yellowish</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Light blend petroleum</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>350°F</td>
<td>177°C COC</td>
</tr>
<tr>
<td>Evaporation rate (Butyl Acetate=1)</td>
<td>&lt; 0.01</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limits</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limits</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>0.91</td>
<td></td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Percent Volatile by Volume (%)</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Other Information
10. STABILITY AND REACTIVITY

Reactivity
This product is non-reactive under ambient conditions

Chemical stability
Stable under normal conditions of use. Can decompose slowly with localized heating over 300°C

Possibility of hazardous reactions
Hazardous Polymerization: Will not occur

Conditions to avoid
High temperatures & a source of ignition. Toxic fumes may be released if product is heated above decomposition point.

Incompatible materials
Strong Acids, Strong oxidizing agents, and Reducing agents

Hazardous decomposition products
In the event of combustion, CO and CO2 will be formed.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
Product Information

Inhalation: May cause mild irritation
Eye Contact: May cause mild irritation
Skin Contact: May cause mild irritation
Ingestion: May cause gastrointestinal irritation

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
<th>Eye Irritation</th>
<th>Skin Irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricant Oil</td>
<td>&gt;5,000 mg/kg (Rat)</td>
<td>&gt;2,000 mg/kg (Rabbit)</td>
<td>-</td>
<td>Non-irritant (Rabbit)</td>
<td>Non-irritant (Rabbit)</td>
</tr>
<tr>
<td>Oil Additive</td>
<td>&gt;5,000 mg/kg (Rat)</td>
<td>&gt;2,000 mg/kg (Rabbit)</td>
<td>-</td>
<td>Non-irritant (Rabbit)</td>
<td>Non-irritant (Rabbit)</td>
</tr>
</tbody>
</table>

Summary Comments
According to ACGIH, IARC, NTP, and OSHA, the lubricant oil and the oil additive are not considered to be a hazardous carcinogen to humans.

Reproductive Toxicity
No

STOT-single exposure
May cause respiratory irritation

STOT-repeated exposure:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricant Oil</td>
<td>&gt;15,800 mg/kg (Rat)</td>
<td>&gt;7,940 mg/kg (Rat)</td>
<td>-</td>
</tr>
<tr>
<td>Oil Additive</td>
<td>&gt;2,000 mg/kg (Rat)</td>
<td>&gt;5,000 mg/kg (Rat)</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on physical, chemical and toxicological effects

Symptoms
Not determined
Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity – Product
Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricant Oil</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Oil Additive</td>
<td>EC50: &gt;100 mg/L 72 hr</td>
<td>-</td>
<td>-</td>
<td>EC50: &gt;100 mg/L</td>
</tr>
</tbody>
</table>

Persistence and degradability
Not determined

Bioaccumulation
Not determined

Mobility
Not determined

Other adverse effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT
Not regulated

IATA
Not regulated

IMDG
Not regulated
15. REGULATORY INFORMATION

International Inventories
Lubricant Oil: is listed or excluded from listing on TSCA, DSL, & AICS inventories
Oil Additive: is listed or excluded from listing on TSCA, DSL, AICS, IECSC, & ENCS inventories

TSCA: The chemical components of this product are listed or excluded on the Section 8(B) Chemical Substance Inventory List (40 CFR 710).

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

U.S. Federal Regulations

SARA Title III Information
This product contains no chemicals subject to the reporting requirements of Section 313 of the emergency planning and community right to know act.

SARA - Section 302
Extremely Hazardous Substances: No regulated ingredients.

SARA - Section 302
Reportable Quantity: None.

SARA 311/312 Hazard Categories
Acute health hazard Yes
Chronic health hazard No
Fire hazard No
Sudden release of pressure hazard No
Reactive hazard No

Clean Air Act Amendments-Ozone-Depleting Chemicals
No regulated ingredients.

CONEG:
This product is in compliance with CONEG (total cadmium, chromium, lead and mercury <100ppm)

CERCLA
No regulated ingredients.

Canada – CEPA DSL/NDSL
Not regulated

U.S. State Regulations

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.
U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricant Oil</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>NJ TSRN 80100312-5019</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oil Additive</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>NJ TSRN80100312-5020</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

U.S. EPA Label Information

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

Issue Date: 13-Aug-2013
Revision Date: 06-May-2015
Revision Note: Corrections

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet