

SAFETY DATA SHEET

A.C.E. HOT PURPLE DEGREASER

1. IDENTIFICATION

Product Name: A.C.E. Hot Purple Degreaser
Product Use: Heavy duty cleaner/ degreaser for industrial machinery, metal parts and farm equipment formulated to prevent re-deposition on cleaned items
Manufacturer/ Supplier: AMERICAN CHEMICAL ENTERPRISES
5573 Oak Lane Road, Pineville, Louisiana 71360-7353
Emergency phone: For Chemical Emergency ONLY (spill, leak, exposure or accident), call (318) 640-6604. For ALL other inquiries about this product, call (318) 640-6604

2. HAZARD IDENTIFICATION

DANGER: Causes severe skin burns and eye damage.

Warning: May be corrosive to metals.

GHS Classification:

Health	Environmental	Physical
Eye Corrosion - Category 1 Skin Corrosion - Category 1 Acute Toxicity – Category 4	Not Classified	Corrosive to Metal - Category 1

GHS Label:

Symbols:



Hazard Statements

DANGER – Corrosion

Causes severe skin burns and eye damage.

Harmful if swallowed

Harmful in contact with skin

Harmful if inhaled, may cause respiratory irritation

Warning: May be corrosive to metals

Precautionary Statements

Do not eat, drink or smoke when using this product.

Do not breathe mist/spray.

Use only in a well-ventilated area.

Wash thoroughly after handling.

Wear protective gloves, face and eye protection

If on skin, wash with plenty of soap and water

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS #	EINECS #	Wt. %
Sodium Hydroxide	1310-73-2	215-185-5	1-10
Polyethylene glycol nonylphenyl ether	9016-45-9	NLP 500-024-6	1-10
2-Butoxyethanol (Butyl cellosolve, EGBE)	111-76-2	203-905-0	1-10
Disodium metasilicate	6834-92-0	229-912-9	1-10

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Sodium tripolyphosphate	7758-29-4	231-838-7	1-10
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See Section 8 for exposure limits

4. FIRST - AID MEASURES

Inhalation: If fumes/vapors are inhaled, move to fresh air, aid breathing if necessary. Get medical attention if irritation persists.

Skin Contact: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice.

Eye Contact: Flush with clean water for 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice.

Ingestion: IF SWALLOWED: Rinse mouth. Do not induce vomiting. If you feel unwell, consult Poison Control Center, 1-800-256-9822.

Note to physician: Treat as corrosive chemical (pH > 12). Target organs are eyes, skin, respiratory system, central nervous system, hematopoietic system.

5. FIRE - FIGHTING MEASURES

Suitable Extinguishing media: Water/foam, carbon dioxide, ABC fire extinguisher powder; water fog should be used to fight surrounding fire.

Unsuitable Extinguishing media: High pressure water jet.

Special exposure hazards: Caustic material (high pH).

Combustion products: Not Combustible.

Protection of firefighters: Do not inhale combustion gases.

NFPA Hazard Classification: Health: 2 Flammability: 0 Reactivity: 1 Special: --

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use suitable protective equipment (see section 8) to prevent contamination of skin, eyes and personal clothing. Wash contaminated clothing before reuse.

Methods for cleanup: Neutralize with dilute acid and absorb on liquid-absorbing material (treated sawdust, diatomaceous earth, sand) and dispose of at an appropriate waste disposal facility in accordance with applicable regulations and product characteristics at time of disposal (see also Section 13). Prevent spills from entering storm sewers or drains and contact with soil.

7. HANDLING AND STORAGE

Handling: Do not eat, drink or smoke when using chemical products. Avoid contact with skin and breathing mists/vapors. Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

Storage: Store locked up in a well ventilated place. Store only in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: for component substances:

2-Butoxyethanol: OSHA PEL = 50 ppm, 240 mg/m³ TWA (Skin), NIOSH IDLH = 700 ppm; ACGIH TLV = 20 ppm; Appendix A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

Sodium hydroxide: OSHA PEL: 2ppm. ACGIH: 2 mg/m³, Ceiling.

Engineering controls: Local exhaust ventilation is recommended during all hot processing operations.

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Personal protection: General: General hygiene considerations are appropriate when used as recommended. The following precautions are recognized as common good industrial hygiene practice. Emergency conditions may require additional precautions. Follow precautions listed and recommendations for personal protective equipment.

Eye: Wear safety glasses or chemical goggles. Have eye-wash stations available where eye contact can occur.

Skin: Avoid skin contact. Wear gloves impervious to conditions of use. A safety shower should be located in the work area.

Respiratory: Avoid breathing vapor and mist. Wear a NIOSH-approved organic vapor respirator if processing in an area where ventilation is inadequate.

Thermal: Not normally encountered.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Purple liquid
Odor:	Weak pleasant odor
Odor threshold:	Not available
pH:	12.0 – 12.5
Melting/ Freezing point/ range:	Not available
Initial Boiling point/ range:	100C
Flash Point:	> 300 C
Evaporation rate:	Not available
Flammability (solid, gas):	Not flammable
Upper/ lower flammability or explosive limits:	Not flammable or explosive
Vapor pressure:	Like water
Vapor density:	Not available
Relative density:	1.0 – 1.1
Solubility in water:	Highly miscible
Solubility in fats/ oils:	Slightly miscible
Partition Coefficient (n-octanol-water):	Log K_{ow} = 0.8 for 2-butoxyethanol
Autoignition temperature:	Not flammable
Decomposition temperature:	> 300 C
Viscosity:	Not available

10. STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions
Chemical Stability:	Product is stable at ambient temperature and pressure.
Hazardous Reactions:	Will not occur
Conditions to Avoid:	Extreme temperature.
Incompatible Materials:	Strong oxidizers and acids may generate heat or toxic vapors.
Hazardous Decomposition Products	Carbon oxides may be produced under extreme fire conditions.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Rat, oral LD50 = 1310 mg/L (Polyethylene glycol nonylphenyl ether) Rat, oral LD50 = 470 mg/kg (2-butoxyethanol) Rat, oral LD50 = 1153 mg/kg (Sodium metasilicate) Rat, oral LD50 = 3120 mg/Kg (Sodium tripolyphosphate)
Skin corrosion / irritation:	Causes severe skin burns and eye damage.
Respiratory or skin sensitization:	No components have been identified as sensitizers.
Germ cell mutagenicity:	No components have been identified as mutagens.
Carcinogenicity:	2-butoxyethanol is listed by ACGIH in Appendix A3 - <i>Confirmed Animal Carcinogen with Unknown Relevance to Humans</i> and by IARC as Group 3: <i>Not classifiable as to its carcinogenicity to humans</i> No other components are listed in the NTP 11 th Report on Carcinogens or in the IARC Monographs on the Evaluation of Carcinogenic Risk to Humans.
Reproductive toxicity:	No components have been identified as reproductive toxins.
STOT–single exposure:	Skin, eyes, URT. Causes internal burns if ingested.
STOT-repeated exposure:	CNS, kidneys, hematopoietic and lymphoid systems. (2-butoxyethanol)
Aspiration hazard:	Causes internal burns if ingested.
Other Information:	Most likely routes of exposure are through skin contact or inhalation of mists generated while spraying product. Potential symptoms for 2-ethoxyethanol overexposure include eye, nose, throat and skin irritation; cough; hemolysis, hematuria, anemia; central nervous system depression, dizziness, drowsiness, lightheadedness, unconsciousness; headache, vomiting; pulmonary edema; eye redness, pain, blurred vision; liver and kidney damage.

12. ECOLOGICAL INFORMATION

Toxicity studies have not been conducted on this product. Following are for component substances: 2-butoxyethanol is classified as not dangerous for the environment.

Toxicity:	Daphnia magna, EC50 = 1150 mg/L (Sodium tripolyphosphate) Daphnia magna, EC50 = 247 mg/L (Sodium metasilicate) Daphnia magna, EC50 = 297 mg/L (2-butoxyethanol) Brachydanio rerio LC50 = 210 mg/L (Sodium metasilicate) Brachydanio rerio NOEC > 100 mg/L (2-butoxyethanol)
Persistence and degradability:	2-butoxyethanol is readily biodegradable, >60%
Bioaccumulative potential:	2-butoxyethanol has low potential for bioaccumulation (log K _{ow} <4).
Mobility in soil:	Not available
Other adverse effects:	2-butoxyethanol has no potential for endocrine disruption.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Reuse if possible. Material as supplied is characterized as hazardous under RCRA due to D002 – Characteristic of corrosivity. Dispose as indicated by local, state and federal regulations.

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14. TRANSPORT INFORMATION

UN 1760, Compounds, Cleaning Liquid, 8, PGIII.

Environmental Hazards: Not listed as a marine pollutant

ERG Guide #154

15. REGULATORY INFORMATION

No components are subject to Montreal Protocol, Stockholm Convention or Rotterdam Convention

Region specific regulations:

SARA Title III:

Section 302/304. Extremely Hazardous Substances - None.

Section 311/312. (40CFR370) Hazardous Categories: Acute

Section 313: contains the following SARA 313 Toxic Release Chemicals: None

The following product components are cited on the lists below:

CERCLA: Sodium phosphate, tribasic (CAS # 7758-29-40) RQ = 5000 lbs

CERCLA: Sodium hydroxide (CAS # 1310-73-2) RQ = 1000 lbs

Note: These RQs are applicable to railcar quantities.

TSCA: Components are listed.

CA65: No components are known to the State of California to cause cancer or reproductive toxicity.

NJ RTK: 2-Butoxyethanol, CAS # 111-76-2 is listed as Carcinogen.

16. OTHER INFORMATION

Disclaimer: The information contained herein is accurate to the best of our knowledge. The Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

Revision History:

Date Prepared: 10/24/2011, by ASLAN Group, LLC

Supersedes: 06/07/2002

MSDS ID: ACE Hot Purple Degreaser