

SAFETY DATA SHEET



Date Issued : 03/14/2007
 MSDS No : 360033
 Date-Revised : 04/20/2015
 Revision No : 6

GENERAL PURPOSE NON-CHLORINATED BRAKE CLEANER

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GENERAL PURPOSE NON-CHLORINATED BRAKE CLEANER
PRODUCT DESCRIPTION: SOLVENT BLEND
PRODUCT CODE: 360033
PRODUCT FORMULATION NAME: GENERAL PURPOSE NON-CHLORINATED BRAKE CLEANER
CHEMICAL FAMILY: AROMATIC, ALIPHATIC, KETONE
ACTIVE INGREDIENT(S): n-Heptane; Acetone; Xylenes (o-,m-,p- isomers)

MANUFACTURER

Americhem Sales Company LLC
 340 North Street
 Mason, MI 48854

Emergency Contact: CHEMTREC or CANUTEC

Product Stewardship: 517-676-9363

Transportation: 517-676-9363

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300

CANUTEC (613) 996-6666

COMMENTS: To the best of our knowledge, this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Aspiration Hazard, Category 1
 Skin Irritation, Category 2
 Target Organ Toxicity (Single exposure), Category 3
 Eye Irritation, Category 2A

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flammable
Liquid



Health
hazard



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
 H319: Causes serious eye irritation.
 H315: Causes skin irritation.
 H304: May be fatal if swallowed and enters airways.

Precautionary statement(s)

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P331: Do NOT induce vomiting.

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P270: Do not eat, drink or smoke when using this product.

P262: Do not get in eyes, on skin, or on clothing.

Response:

P312: Call a POISON CENTER/doctor/...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.

P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

P301: IF SWALLOWED:.

Storage:

P240: Ground and bond container and receiving equipment.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.

P242: Use non-sparking tools.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash ... thoroughly after handling.

Disposal:

P501: Dispose of contents/container to ...

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, Colorless liquid.

IMMEDIATE CONCERNS: Warning! Flammable liquid and vapor. High vapor concentrations may cause drowsiness and irritation of the eyes or respiratory tract. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

POTENTIAL HEALTH EFFECTS

EYES: May cause significant irritation to the eyes.

SKIN: Moderate irritation and discomfort. Defatting of skin and redness are possible. Toxic systemic effects from absorption are expected to be minor.

SKIN ABSORPTION: Refer to skin effects for any adverse symptoms that may occur from absorption.

INGESTION: Gastrointestinal tract irritation and/or discomfort is possible.

INHALATION: Dizziness, impaired coordination, headaches and loss of consciousness. Severe respiratory tract irritation. Toxic systemic effects are possible.

MEDICAL CONDITIONS AGGRAVATED: Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

ROUTES OF ENTRY: Absorption, Inhalation, Ingestion

TARGET ORGAN STATEMENT: Eyes, Skin, Respiratory System, CNS, Peripheral Nervous System. Skin contact may aggravate an existing dermatitis, Inhalation of material may aggravate asthma and inflammatory or fibrotic pulmonary disease.

COMMENTS HEALTH: SIGNS AND SYMPTOMS: IRRITATION AS NOTED ABOVE. MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA, IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR.

COMMENTS: INTENTIONAL ABUSE, MISUSE, OR MASSIVE EXPOSURE MAY CAUSE MULTIPLE ORGAN DAMAGE AND/OR DEATH.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt.%	CAS
n-Heptane	< 80	142-82-5
Acetone	~ 20	67-64-1
Xylenes (o-,m-,p- isomers)	< 5	1330-20-7

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

SKIN: Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.

INGESTION: Do not induce vomiting. Danger from aspirating into lungs exceeds short term toxic effects. Get immediate medical help.

INHALATION: Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Treat as an OSHA Class IB Flammable liquid

GENERAL HAZARD: Flammable Liquid, can release vapors that form flammable mixtures at temperatures at or above the flashpoint. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.

EXTINGUISHING MEDIA: Use dry chemical, foam, or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and noxious fumes.

EXPLOSION HAZARDS: Mists or sprays could ignite at temperatures below the indicated flash point. Keep ignition sources, open flames, etc., away from these fumes.

FIRE FIGHTING PROCEDURES: Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.

FIRE FIGHTING EQUIPMENT: Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide if burned with insufficient air.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish possible sources of ignition and ventilate spill area. Dike area to contain spill and clean up by absorbing on an inert absorbent or other convenient means. Do not flush into sewers or natural waterways. Non-essential personnel should not enter area due to slipping hazards.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.

7. HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. These products have a low vapor pressure and are not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating these products, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing and shoes.

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STORAGE: Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

SHELF LIFE: THE SHELF LIFE OF THIS PRODUCT IS UNDETERMINED, BUT MAY BECOME SUSPECT ONE YEAR FROM THE DATE OF PURCHASE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	Type		EXPOSURE LIMITS	
			ppm	mg/m ³
n-Heptane	OSHA PEL	TWA	500 ppm	2000
	ACGIH TLV	TWA	400 ppm	
		STEL	500 ppm	
Acetone	OSHA PEL	TWA	1000 ppm ^[1]	2400 mg/m ³ ^[1]
		STEL	ppm	mg/m ³
	ACGIH TLV	TWA	500 ppm	mg/m ³
		STEL	750 ppm	mg/m ³
	Supplier OEL	TWA	NL ppm	NL mg/m ³
		STEL	NL ppm	NL mg/m ³
Xylenes (o-,m-,p- isomers)	OSHA PEL	TWA	100 ppm	435
	ACGIH TLV	TWA	100 ppm	434 mg/m ³
		STEL	150 ppm	651 mg/m ³

OSHA TABLE COMMENTS:
 1. NL = Not Listed

ENGINEERING CONTROLS: For normal application, special ventilation is not necessary. If user's operations generate fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Make-up air should always be supplied to balance air removed by exhaust ventilation. Ensure that eyewash station and safety shower are close to work-station.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use safety goggles or face shield.

SKIN: To prevent any contact, wear impervious protective clothing such as nitrile or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

PROTECTIVE CLOTHING: Chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and skin contact.

WORK HYGIENIC PRACTICES: Good personal hygiene practices should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Chemical Name	Flash Point (°C)	Solubility in Water	Specific Gravity
n-Heptane	-7		0.698
Acetone	-18	complete	0.792
Xylenes (o-,m-,p- isomers)	25.5 TCC		0.872

PHYSICAL STATE: Liquid

ODOR: Characteristic Odor

APPEARANCE: Clear

COLOR: Colorless

pH: Not Applicable

PERCENT VOLATILE: 99

FLASHPOINT AND METHOD: ~ (5°F) ASTM D56

VAPOR PRESSURE: > 10 mmHg at 20°C

VAPOR DENSITY: > 1 (Air=1)

BOILING POINT: ~ (133°F)

SOLUBILITY IN WATER: Partially Soluble

EVAPORATION RATE: Not Applicable

DENSITY: ~ 6.02 at (68°F)

SPECIFIC GRAVITY: 0.723 (water=1) at (68°F)

(VOC): 4.71 lbs./gl.

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Will not occur

STABILITY: The product is stable under normal ambient conditions of temperature and pressure.

CONDITIONS TO AVOID: Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon when burned.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Acetone	9750 mg/kg (RAT)	20000 mg/kg(RABBIT)	
Xylenes (o-,m-,p- isomers)	43 mg/kg		26800 ppm

RESPIRATORY OR SKIN SENSITISATION: Based on best current information, there is no known human sensitization associated with these products.

CARCINOGENICITY

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Chemical Name	NTP Status	IARC Status	OSHA Status
Xylenes (o-,m-,p- isomers)	LISTED	3	REGULATED

REPRODUCTIVE TOXICITY: Based on best current information, there is no known reproductive toxicity associated with this product.

GENERAL COMMENTS: Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: KEEP OUT OF SURFACE WATERS, SEWERS, AND WATERWAYS ENTERING OR LEADING TO SURFACE WATERS. NOTIFY AUTHORITIES IF ANY EXPOSURE TO THE GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites.

EMPTY CONTAINER: Keep containers closed when not in use. Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN 1993

PACKING GROUP: II

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Fire Hazard, Acute (Immediate) Health Hazard.

313 REPORTABLE INGREDIENTS: CONTAINS ONE OR ALL OF THE FOLLOWING: TOLUENE (CAS#108-88-3), XYLENE(CAS# 1330-20-7), METHANOL(CAS#67-64-1), ACETONE(CAS#67-64-1), METHYL ETHYL KETONE(CAS#78-93-3), METHYL ISOBUTYL KETONE(CAS#108-10-1). SEE INGREDIENT SECTION FOR WEIGHT PERCENTAGE.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Xylenes (o-,m-,p- isomers)	< 5	1330-20-7

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Acetone	~ 20	5,000 lbs.
Xylenes (o-,m-,p- isomers)	< 5	100 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Chemical Name	CAS
n-Heptane	142-82-5
Acetone	67-64-1
Xylenes (o-,m-,p- isomers)	1330-20-7

TSCA REGULATORY: All intentional ingredients are listed on the TSCA Inventory.

16. OTHER INFORMATION

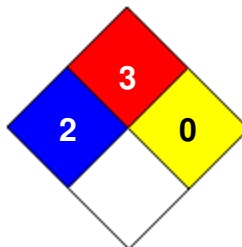
Date-Revised: 04/20/2015

REVISION SUMMARY: This MSDS replaces the 04/20/2015 MSDS. Revised: **Section 16: NFPA CODES - REACTIVITY.**

HMIS RATING

HEALTH	-	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION	X	

NFPA CODES



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