



SAFETY DATASHEET

SECTION 1. IDENTIFICATION

GHS PRODUCT IDENTIFIER: NexxChem ProMech Brake Cleaner

OTHER MEANS OF IDENTIFICATION: ProMech Brake Cleaner

PRODUCT CODE: PRX-BC016
PRX-BC032
PRX-BC

PRODUCT TYPE: Solvent

IDENTIFIED USES: Cleaning Brakes

SUPPLIER / MANUFACTURER: NexxChem, LLC
407 South 17th St., Clear Lake, IA 50428
641-357-1455

**EMERGENCY TELEPHONE NUMBER
WITH HOURS OF OPERATION** 641-357-1455

SECTION 2. HAZARDS IDENTIFICATION

OSHA/MCS STATUS: N/A

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:	Serious Eye Damage/Eye Irritation	Category 1
	Flammable Liquid	Category 2
	Specific Target Organ Systemic Toxicity (STOT) - Single Exposure	Category 3

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS:



SIGNAL WORD: Danger

HAZARD STATEMENTS: H225 - Highly flammable liquid and vapor
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

PRECAUTIONARY STATEMENTS

PREVENTION: P210 - Keep away from heat/sparks/open flames/hot surfaces-no smoking
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting/.../equipment
P242 - Use 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/protective clothing/eye protection/face protection

RESPONSE: P303 + P351 + P353 - IF ON SKIN(or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician
P370 + P378 - In case of fire: Use water fog, carbon dioxide, dry chemical to extinguish.

STORAGE: P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P403 + P235 - Store in a well-ventilated place. Keep cool
P404 - Store in a closed container

DISPOSAL: Dispose of in accordance with local, regional and international regulations

HAZARDS NOT OTHERWISE CLASSIFIED (NHOC): None known

OTHER INFORMATION:

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCES:

MATERIAL	CAS#	%
Dimethyl Carbonate	616-38-6	<90%
Proprietary Co-Solvent Z	-	<90%
Diethyl Carbonate	105-58-6	<90%

SECTION 4. FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES

GENERAL:

EYE CONTACT: If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.

INHALATION: If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT: If on skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Do not reuse clothing and shoes until cleaned. Wash with soap and water.

INGESTION: If swallowed: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid in the lungs.

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MOST IMPORTANT SYMPTOMS. EFFECTS, ACUTE AND DELAYED POTENTIAL ACUTE HEALTH EFFECTS

GENERAL:

Eye Contact: Causes severe irritation. May cause: pain, tearing, redness, swelling and stinging.

Skin Contact: May cause moderate irritation. Symptoms may include: itching. Prolonged and repeated contact with skin can cause defatting and drying of the skin which may result in skin irritation and dermatitis.

Inhalation: May cause moderate irritation of respiratory tract. Vapors may cause drowsiness, dizziness, suffocation, unconsciousness, central nervous system depression and shortness of breath.

Ingestion: May cause mild to severe irritation of the respiratory tract and mucous membranes.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

NOTES PHYSICIAN: Treatment is symptomatic and supportive.

SPECIFIC TREATMENTS:

PROTECTION OF FIRST-AIDERS:

SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA: Water fog. Carbon dioxide. Dry chemical.

UNSUITABLE EXTINGUISHING MEDIA: Do not use a solid stream of water directly on the fire as it may spread the fire to a larger area.

UNUSUAL FIRE AND EXPLOSION HAZARDS: HIGHLY FLAMMABLE LIQUID. Vapors are heavier than air. Vapors may settle in low or confined areas, or travel long distances along the ground or surface to an ignition source where they may ignite, flashback, or explode. Keep away from heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights, mechanical/ electrical equipment). PROCESS HAZARD: Sudden releases of hot organic chemical vapors or mists from process equipment at elevated temperature and pressure, or sudden ingress of air into hot equipment under a vacuum, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated-temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Contact with strong oxidizing agents may cause fire. Rags soaked in solvent can present a fire hazard and should be stored in UL listed or Factory Mutual approved, covered containers. Improperly stored rags, under certain conditions can lead to spontaneous combustion.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Carbon dioxide. Carbon monoxide.

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS: Evacuate area of unprotected personnel. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers and disperse vapors. Run off from fire control may cause pollution.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: Wear protective clothing including NIOSH-approved self contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PROCEDURE: HIGHLY FLAMMABLE LIQUID. Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personnel protective equipment recommendations found in Section 8. Never exceed any occupational limit.

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ENVIRONMENTAL PRECAUTIONS: Avoid entry into surface waters and sewers.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

LARGE OR SMALL SPILL:

Contain spill, place into drums for proper disposal. Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid discharge to sewers and surface waters. Notify authorities if entry occurs. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapors, but may not prevent ignition in closed spaces. Use non-sparking tools and equipment.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES:

Avoid contact with eyes, skin and clothing. Use adequate ventilation. Do not swallow. Avoid breathing vapors, mists or dust. Do not eat, drink or smoke in work area. Wash thoroughly after handling. Empty containers retain product residue(vapor, dust or liquid) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. They may explode and cause injury or death. Use appropriate grounding and bonding practices. Take precautionary measures against static discharge.

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:

Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking. Handle in accordance with good industrial hygiene and safety practice.

CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:

HIGHLY FLAMMABLE LIQUID, Store in a cool, well-ventilated area away from all sources of ignition and out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Protect containers against physical damage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT NAME

EXPOSURE LIMITS

Contains no components with occupational exposure limits.

EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS:

General room ventilation and local exhaust are required. Use explosion-proof ventilation equipment. Maintain adequate ventilation. Avoid creating dust or mist. Do not use in closed or confined spaces.

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INDIVIDUAL PROTECTION MEASURES EYE/FACE/RESPIRATORY PROTECTION:

Eye/Face Protection: Wear chemical safety goggles while handling this product.

Skin Protection: Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Chemical-resistant. Impervious.

Respiratory Protection: None required under normal use. If exposure limits are exceeded, wear NIOSH-approved respirator. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSH 29 CFR 1910.134 and ANZI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

Other Protective Equipment: Eye-wash station. Safety shower. Rubber apron. Rubber boots. Protective clothing. Chemical safety shoes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear
PHYSICAL STATE:	Liquid
ODOR:	Mild solvent odor
ODOR THRESHOLD:	ND
PH:	NA
FREEZE/MELTING POINT:	ND
BOILING POINT:	200° F
FLASH POINT:	89° F
EVAPORATION RATE:	2.18
FLAMMABILITY (SOLID,GAS):	ND
LOWER AND UPPER EXPLOSIVE:	NA
VAPOR PRESSURE:	50 @ 68° F
VAPOR DENSITY:	ND
SPECIFIC GRAVITY:	1.058 @ 25° C
WATER SOLUBILITY:	Partially
PARTITION COEFFICIENT N-OCTANOL/WATER:	ND
AUTO-IGNITION TEMPERATURE:	ND
DECOMPOSITION TEMPERATURE:	ND
VISCOSITY:	.58 cSt @ 25° C
PERCENT SOLIDS BY WEIGHT:	92%
VOLATILE ORGANIC COMPOUNDS (VOC):	85 g/l

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY:	No data available
CHEMICAL STABILITY:	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization will not occur under normal conditions. Reacts violently with oxidants and potassium tert-butoxide causing fire hazard. In alkaline solution, dimethyl carbonate undergoes hydrolysis and gives off methanol and carbon dioxide
CONDITIONS TO AVOID:	Avoid contact with heat, sparks, electric arcs, hot surfaces and open flames.

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- INCOMPATIBLE MATERIALS:** Oxidizing agents. Acids. Alkalis. Reducing agents. Potassium tert-butoxide. Strong bases.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide. Carbon monoxide. Irritating vapors.
- HAZARDOUS POLYMERIZATION:** No data available.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	
Dimethyl Carbonate	LD50 LD50 LC50	Rat Rabbit 4H Rat	13000 mg/kg >5 g/kg 140 mg/L	
Proprietary Co-Solvent Z	LD50 LD50	Rat Rat	>2000 mg/kg 5000 mg/kg	
Diethyl Carbonate	LD50	Rat	8500 mg/kg	

IRRITATION/CORROSION:

- SKIN CORROSION/IRRITATION:** May cause mild irritation. Symptoms may include itching. Prolonged and repeated contact with skin can cause defatting and drying of the skin which may result in skin irritation and dermatitis.
- SERIOUS EYE DAMAGE/EYE IRRITATION:** Causes severe eye irritation, pain, tearing, redness, swelling and stinging.
- RESPIRATORY OR SKIN SENSITIZATION:** May cause moderate irritation of the respiratory tract. Vapors may cause drowsiness, suffocation, unconsciousness, shortness of breath and central nervous system depression.
- GERM CELL MUTAGENICITY:** No data available
- CARCINOGENICITY:** This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC or OSHA.
- REPRODUCTIVE TOXICITY:** No data available
- SPECIFIC TARGET ORGAN TOXICITY SINGLE EXPOSURE:** No data available
- SPECIFIC TARGET ORGAN TOXICITY REPEATED EXPOSURE:** May cause damage to the central nervous system.
- ASPIRATION HAZARD:** No data available
- ROUTES OF EXPOSURE:** Eyes. Skin. Inhalation. Ingestion. Absorption.

SECTION 12. ECOLOGICAL INFORMATION

- TOXICITY:** Acute Aquatic Toxicity(Flathead minnow, Daphnia, Algae) = Essentially non-toxic (>100 mg/L. Acute Category III)
- PERSISTENCE DEGRADABILITY:**
- BIOACCUMULATIVE POTENTIAL:** Biodegradable. This material is not expected to bioaccumulate. Accidental spillage may lead to penetration in the soil and ground water. However, there is no evidence that it will cause adverse ecological effects.

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MOBILITY IN SOIL

SOIL/WATER PARTITION COEFFICIENT No data available

(K_{oc}):

RESULTS OF PBT AND VPVB ASSESSMENT: No data available

OTHER ADVERSE EFFECTS:

SECTION 13. DISPOSAL CONSIDERATIONS

HAZARDOUS WASTE NUMBER: D0007

DISPOSAL METHODS:

Dispose of in a permitted hazardous waste management facility following all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. DO NOT pressurize, cut, weld, solder, drill, grind, or expose empty containers to heat, flame, sparks or other sources of ignition.

SECTION 14. TRANSPORTATION INFORMATION

	DOT	IMDG	IATA
UN Number	UN1993		
UN Proper Shipping Name	Flammable Liquid, N.O.S. (Dimethyl Carbonate, Diethyl Carbonate)		
Transport Hazard Class(es)	3		
Packing Group	II		
Environmental Hazards			
Additional Information	Flammable label required		

SECTION 15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

HEALTH AND SAFETY REPORTING LIST:

CHEMICAL TEST RULES:

TSCA (TOXIC SUBSTANCE CONTROL ACT) Section 12B: This product or all components of this product are listed on the EPA/TSCA Inventory of Chemical Substances

TSCA (TOXIC SUBSTANCE CONTROL ACT) Significant New Use Rule:

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): No components found

SARA TITLE III SECTION 302: (SUPERFUND AMENDMENTS & REAUTHORIZATION ACT)

SARA 313 TOXIC CHEMICALS: No components found

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

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BrakeCleaner-SDS

READY TO USE



SARA 311/312 HAZARDS: Immediate(Acute) - Yes
Delayed (Chronic) - No
Fire Hazard - Yes
Pressure Release - No
Reactive - No

STATE REGULATIONS

STATE: No data available

CALIFORNIA PROP. 65 No data available

CANADIAN REGULATIONS

DSL/NDSL:

WHMIS CLASSES:

SECTION 16. OTHER INFORMATION

HMIS HAZARD CLASSIFICATION

HMIS HAZARD CLASSIFICATION: Health Hazard: 2
Flammability: 3
Physical Hazard: 0

NATIONAL FIRE PROTECTION ASSOCIATION: (USA) Health Hazard: 2
Fire Hazard: 3
Reactivity Hazard: 0

HISTORY

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PREPARED BY: SalesMax International

KEY ABBREVIATIONS:

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