

Clean Brake

SDS Number: A285A

Revision Date: 10/7/14

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

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Web: www.wechem.com

Product Name: Clean Brake
Revision Date: 10/7/14
SDS Number: A285A
Product Code: A285
Product Use: Brake Parts Cleaner

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, ingestion, eye, skin
Target Organs: May cause damage to organs through prolonged or repeated exposure.
Inhalation: May be fatal if swallowed and enters airways. Intentional misuse by concentrating and inhaling the product can be harmful or fatal.
Skin Contact: Causes skin irritation.
Eye Contact: Causes serious eye irritation.
Ingestion: May be fatal if swallowed and enters airways.

PERSONAL PROTECTION INDEX									
A						G			
B						H			
C						I			
D						J			
E						K			
F						X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions		
A	n	o	p	q	r	s			
t	u	w	y	z	Additional information				

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GHS Signal Word:

DANGER

GHS Hazard Pictograms:



GHS Classifications:

- Physical, Flammable Aerosols, 1
- Physical, Gases Under Pressure, Compressed Gas
- Health, Aspiration hazard, 1
- Health, Skin corrosion/irritation, 2
- Health, Serious Eye Damage/Eye Irritation, 2 A
- Health, Specific target organ toxicity - Single exposure, 3
- Health, Reproductive toxicity, 2
- Health, Specific target organ toxicity - Repeated exposure, 2
- Environmental, Hazards to the aquatic environment - Acute, 2
- Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Phrases:

- H222 - Extremely flammable aerosol
- H280 - Contains gas under pressure; may explode if heated
- H304 - May be fatal if swallowed and enters airways
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H336 - May cause drowsiness or dizziness
- H361 - Suspected of damaging fertility or the unborn child
- H373 - May cause damage to organs through prolonged or repeated exposure
- H401 - Toxic to aquatic life
- H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P211 - Do not spray on an open flame or other ignition source.
- P251 - Pressurized container: Do not pierce or burn, even after use.
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 - Wash thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
- P302 - IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
- P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P308+313 - IF exposed or concerned: Get medical advice/attention.
- P405 - Store locked up.
- P410 - Protect from sunlight.
- P412 - Do not expose to temperatures exceeding 49 °C/120 °F
- P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

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3	COMPOSITION/INFORMATION ON INGREDIENTS
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Ingredients:

Cas #	Perc.	Chemical Name	OSHA PEL (ppm)	ACGIH TLV(PPM)	Carcin. Ref.
67-64-1	40-60%	Acetone	1000	500	D
426260-76-6	20-40%	Heptane, branched, cyclic and linear	NA	NA	NA
142-82-5	10-20%	Heptane	500	400	D
124-38-9	2.5-10%	Carbon Dioxide	5000	5000	D
108-88-3	1-2.5%	Toluene	100	20	D

4	FIRST AID MEASURES
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- Inhalation:** 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.
- Skin Contact:** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
- Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

5	FIRE FIGHTING MEASURES
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- Flammability:** Extremely flammable
- Flash Point:** 15.8 F (-9.0 C) Estimated
- Autoignition Temp:** NA
- LEL:** ND
- UEL:** ND

Extinguishing media: Alcohol resistant foam, water fog, Carbon dioxide (CO₂), dry chemical powder, sand or earth may be used for small fires only. Do not use water jet as an extinguisher, as this will spread the fire.

Contents under pressure. Pressurized container may explode when exposed to heat or flame. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulations may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water.

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

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Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from the fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

Extremely flammable aerosol.

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ACCIDENTAL RELEASE MEASURES

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Remove all possible sources of ignition in the surrounding area. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Refer to attached safety data sheets an/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Avoid release into the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

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HANDLING AND STORAGE

Handling Precautions:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations.

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release into the environment. Observe good industrial hygiene practices.

Storage Requirements:

Level 2 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 C/ 122 F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Personal Protective Equip:

HMIS PP, B | Goggles, Gloves

Respiratory Protection: If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.

Protective gloves: Use chemical resistant gloves if hand contact will be made.

Eye protection: Safety glasses with side shields/chemical proof goggles.

Wear appropriate chemical resistant clothing.

Wear appropriate thermal protective clothing, when necessary.

Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless	Flash Point:	15.8 F (-9.0 C) Estimated
Physical State:	Liquid, Aerosol	VOC:	43.8% estimated
Spec Grav./Density:	(H2O=1): 0.66 g/cm ³ estimated		
Boiling Point:	145.77 F (63.21 C)		
Flammability:	Extremely Flammable		
Vapor Pressure:	38-68 psig (Aerosol) @ 20 C estimated		

Heat of Combustion (NFPA 30B): 21.79 kJ/g estimated

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STABILITY AND REACTIVITY

Stability:	This product is stable and non-reactive under normal conditions of use, storage and transport.
Conditions to Avoid:	Heat, sparks, flame, and other sources of ignition. Contact with incompatible materials.
Materials to Avoid:	Acids, strong oxidizing agents, Aluminum.
Hazardous Decomposition:	No hazardous decomposition products are known.
Hazardous Polymerization:	Will not occur.

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TOXICOLOGICAL INFORMATION

14 OZ Clean Brake (CAS Mixture)

- Dermal LD50 15568.1338 mg/kg, 24 hours estimated (Guinea pig)
- LD50 19.7065 ml/kg, 24 hours estimated (Guinea pig)
- LD50 6013.6714 mg/kg, 24 hours estimated (Rabbit)
- LD50 19.7065 ml/kg, 24 hours estimated (Rabbit)
- Inhalation LC50 122.9882 mg/l, 4 hours estimated (Rat)
- LC50 112.9622 mg/l, 3 hours estimated (Rat)
- Oral LD50 12159.3291 mg/kg estimated (Rat)
- LD50 4.6122 ml/kg estimated (Rat)

Acetone (67-64-1)

- Dermal LD50 >7426 mg/kg, 24 hours (Guinea pig)
- LD50 9.4 ml/kg, 24 hours (Guinea pig)
- LD50 >7426 mg/kg, 24 hours (Rabbit)
- LD50 9.4 ml/kg, 24 hours (Rabbit)
- Inhalation LC50 55700 ppm, 3 hours (Rat)
- LC50 132 mg/l, 3 hours (Rat)
- Oral LD50 5800 mg/kg (Rat)
- LD50 2.2 ml/kg (Rat)

Heptane (142-82-5)

- Dermal LD50 >2000 mg/kg, 24 hours (Rabbit)
- Inhalation LC50 >29.29 mg/l, 4 hours (Rat)

Toluene (108-88-3)

- Dermal LD50 >5000 mg/kg, 24 hours (Rabbit)
- Inhalation LC50 6405-7436 ppm, 6 hours (Mouse)
- LC50 5320 ppm, 8 hours (Mouse)
- LC50 5879-6281 ppm, 6 hours (Rat)
- LC50 12.5-28.8 mg/l, 4 hours (Rat)
- Oral LD50 5000 mg/kg (Rat)

This product is not expected to cause skin sensitization.

This product is not considered to be a carcinogen by IARC, ACGIH, NTO, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Toluene (CAS 108-88-3) 3 Not classifiable as to carcinogenicity to humans.

Suspected of damaging the unborn child.

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ECOLOGICAL INFORMATION

14 OZ Clean Brake (CAS Mixture)

Algae IC50 24714.6191 mg/L, 72 hours estimated (Algae)

Crustacea EC50 527.0469 mg/l, 48 hours (Daphnia)

Fish LC50 3035.2224 mg/l, 96 hours estimated (Fish)

Acetone (67-64-1)

Crustacea EC50 21.6-23.9 mg/l, 48 hours Water flea (Daphnia magna)

Fish LC50 4740-6330 mg/l, 96 hours Rainbow trout, donaldson trout (Oncorhynchus mykiss)

Heptane (142-82-5)

Fish LC50 375 mg/l, 96hours Mozambique tilapia (Tilapia mossambica)

Toluene (108-88-3)

Algae IC50 433.0001 mg/L, 72 hours (Algae)

Crustacea EC50 7.645 mg/L, 48 hours Daphnia

EC50 5.46-9.83 mg/l, 48 hours Water flea (Daphnia magna)

Fish LC50 8.11 mg/l, 96 hours Coho salmon, silver salmon (Oncorhynchus kisutch)

Partition coefficient n-octanol/water (log Kow)

Acetone -0.24

n-Heptane 4.66

Toluene 2.73

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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DISPOSAL CONSIDERATIONS

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste U List: Reference

Acetone (CAS 67-64-1) U002

Toluene (CAS 108-88-3) U220

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

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TRANSPORT INFORMATION

DOT

UN number UN1950
UN proper shipping name Aerosols, flammable
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) None
Packing group Not applicable
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Special provisions N82
Packaging exceptions 306
Packaging non bulk None
Packaging bulk None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity until 12/31/2020, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/21/20 and may be used now in place of the "Consumer Commodity ORM-D" marking on both and may be displayed concurrently.

IATA

UN number UN1950
UN proper shipping name Aerosols, flammable
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) 2.1
Packing group Not applicable
Environmental hazards Yes
ERG Code 10L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Other information
Passenger and cargo Allowed
Aircraft
Cargo aircraft only Allowed
Packaging exceptions LTD QTY

IMDG

UN number UN1950
UN proper shipping name AEROSOLS
Transport hazard class(es)
Class 2.1
Subsidiary risk -
Label(s) None
Packing group Not applicable
Environmental hazards
Marine pollutant Yes
EmS F-D,S-U
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Packaging exceptions LTD QTY
Transport in bulk according to AnnexII of MARPOL 73/78 and Not applicable.

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the IBC Code



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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Acetone (67641 40-60%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, TOXICRCRA, TSCA, TXAIR, TXHWL

*Heptane, branched,cyclic and linear (426260766 20-40%)

*Heptane (142825 10-20%) MASS, OSHAWAC, PA, TXAIR

*Carbon Dioxide Propellant (124389 2.5-10%) MASS, OSHAWAC, PA, TSCA, TXAIR

*Toluene (108883 1-2.5%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

NFPA Code 30B: Level 2

California Proposition 65: warning, this product contains a chemical known to the state of California to cause Birth Defects or Other Reproductive Harm.
Toluene (108-88-3)

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level
NJHS = NJ Right-to-Know Hazardous Substances
CERCLA = Superfund Clean up substance
HAP= Hazardous Air Pollutant
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXHWL = TX Hazardous waste list
TSCA = Toxic Substances Control Act

CSWHS = Clean water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals
PRIPOL = Clean water Act Priority Pollutants
PROP65 = CA Prop 65
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean water Act Toxic Pollutants

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No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

CALIFORNIA PROP 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA

All chemicals in this product are listed, or are exempt from listing, on the TSCA inventory.

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OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical listed as carcinogen or potential carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal Data only
N/A = Not available N/D = Not determined