

SECTION 1: IDENTIFICATION | 1.1. Product Identifier
Product Form:
Product Name: DEGREASER AND BRAKE PARTS CLEANER III
CAS No:
Synonyms:

1.2. Intended Use of the Product
Use of the substance/mixture: Cleaner

1.3. Name, Address, and Telephone of the Responsible Party
Company
IMPERIAL SUPPLIES LLC
PO BOX 11008
GREEN BAY, WI 54307-1008
United States
Phone: General Assistance 920-490-6711

1.4. Emergency Telephone Number
Emergency number | 1-866-836-8855, 1-952-852-4646

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)	
Flammable aerosols	Category 1
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Reproductive toxicity (the unborn child)	Category 2
Specific target organ toxicity, single exposure	Category 3 narcotic effects
Specific target organ toxicity, repeated exposure	Category 2
Aspiration hazard	Category 1
Hazardous to the aquatic environment, acute hazard	Category 2
Hazardous to the aquatic environment, long-term hazard	Category 2

2.2. Label Elements

GHS-US Labeling
Hazard Pictograms (GHS-US)
Hazard Statements (GHS-US)

[pic]
Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation.
Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Prevention: Obtain special instructions before use
Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on

Precautionary Statements (GHS-US)

an open flame or other ignition source. Pressurize container: Do not pierce or burn, even after use. not breathe mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilate area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response: If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment (see this label). NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.
Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other Hazards

Other Hazards Not Contributing to the Classification: Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion

2.4. Unknown Acute Toxicity (GHS-US)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Name	Product identifier	%	Classification (GHS-US)
Acetone	67-64-1	40 - 60	
Heptane, branched, cyclic and linear	426260-76-6	20 - 40	
n-Heptane	142-82-5	10 - 20	
Carbon Dioxide	124-38-9	2.5 - 10	
Toluene	108-88-3	1 - 2.5	

Full text of H-phrases: See Section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
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SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General:

First-aid Measures After 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.

First-aid Measures After 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.

First-aid Measures After 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.

First-aid Measures After 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.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries:

Symptoms/Injuries After Inhalation:

Symptoms/Injuries After Skin Contact:

Symptoms/Injuries After Eye Contact:

Symptoms/Injuries After Ingestion:

Chronic Symptoms: May cause drowsiness and dizziness. Headache. Nausea, vomiting
Irritation of nose and throat. Aspiration may cause pulmonary edema and
pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing,
redness, swelling, and blurred vision. Skin irritation. May cause redness and
pain. Prolonged exposure may cause chronic effects.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Alcohol resistant foam. Water fog. Carbon dioxide (CO₂). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Extremely flammable aerosol.

Explosion Hazard: 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 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 accumulation 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.

Reactivity:

5.3. Advice for Firefighters

Precautionary Measures Fire:

Firefighting Instructions: 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.

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

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General 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 a 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.

6.1.1. For Non-emergency Personnel

Protective Equipment:
Emergency Procedures:

6.1.2. For Emergency Responders
Protective Equipment:
Emergency Procedures:

6.2. Environmental Precautions

Avoid release to 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.

6.3. Methods and Material for Containment and Cleaning Up

For Containment:

Methods for Cleaning Up: Refer to attached safety data sheets and/or instruction 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 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 the SDS.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: 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 to the environment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Hygiene Measures:

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures:

Storage Conditions: Level 2 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose 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). Level 3 Aerosol.

7.3. Specific End Use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

8.2. Exposure Controls
Appropriate 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 Equipment
Materials for Protective
Clothing
Hand Protection
Eye Protection

Wear appropriate chemical resistant gloves.
Chemical respirator with organic vapor cartridge a full facepiece.

Skin and Body Protection

Wear appropriate chemical resistant clothing. Use an impervious apron is recommended.

Respiratory Protection

Chemical respirator with organic vapor cartridge a full facepiece.

Thermal Hazard Protection

Wear appropriate thermal protective clothing, when necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	Liquid. Form Aerosol. Color
Appearance	
Odor	Not available
Odor Threshold	Not available
pH	Not available
Relative Evaporation Rate (butylacetate=1)	Not available
Melting Point	Not available
Freezing Point	Not available
Boiling Point	145.77 °F (63.21 °C) estimated
Flash Point	15.8 °F (-9.0 °C) estimated
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Flammability (solid, gas)	Not available
Vapor Pressure	38 - 68 psig @20C estimated
Relative Vapor Density at 20 °C	Not available
Relative Density	0.655 g/cm3 estimated
Specific Gravity	0.655 estimated
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Viscosity	Not available
Lower Flammable Limit	Not available
Upper Flammable Limit	Not available

9.2. Other Information

Density 0.66 g/cm3 estimated
Flammability class Flammable IB estimated
Heat of combustion (NFPA 30B) 21.79 kJ/g estimated
Percent volatile 49.45 % estimated

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage a transport.

10.2 Chemical Stability
Material is stable under normal conditions.

10.3 Possibility of Hazardous Reactions
Hazardous polymerization does not occur.

10.4 Conditions to Avoid
Avoid temperatures exceeding the flash point. Contact with incompatible material

10.5 Incompatible Materials
Acids. Strong oxidizing agents. Aluminum.

10.6 Hazardous Decomposition Products
No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: May be fatal if swallowed and enters airways. Narcotic effects.
Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Causes serious eye irritation.
Respiratory or Skin Sensitization: Not available. This product is not expected to cause skin sensitization.
Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGI NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity
Toluene (CAS 108-88-3) 3 Not classifiable as to carcinogenicity to humans.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.
Reproductive Toxicity: Suspected of damaging the unborn child.
Specific Target Organ Toxicity (Single Exposure): May cause drowsiness and dizziness.
Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard: May be fatal if swallowed and enters airways.
Symptoms/Injuries After Inhalation: May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache Nausea, vomiting. Narcotic effects. Prolonged inhalation may be harmful.
Symptoms/Injuries After Skin Contact: Causes skin irritation.
Symptoms/Injuries After Eye Contact: Causes serious eye irritation.
Symptoms/Injuries After Ingestion: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Chronic Symptoms: May cause drowsiness and dizziness. Headache. Nausea, vomitin Irritation of nose and throat. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Chronic effects Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.2. Persistence and Degradability
No data is available on the degradability of this product.

12.3. Bioaccumulative Potential
No data available.

12.4. Mobility in Soil
No data available.

12.5. Other Adverse Effects

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

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: 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.

Additional Information: Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code 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

Waste from residues / unused products: Dispose of in accordance with local regulations. 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). Contaminated packaging 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 empty. Do not re-use empty containers.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name	Aerosols, flammable	
Hazard Class	2.1	[pic]
Identification Number	UN1950	
Label Codes		
ERG Number		

14.2 In Accordance with IMDG

Proper Shipping Name	AEROSOLS	
Hazard Class	2.1	
Identification Number	UN1950	
Label Codes		[pic]
ntification Of The Substance/m		
EmS-No. (Fire)	F-D, S-U	
EmS-No. (Spillage)		

14.3 In Accordance with IATA

Proper Shipping Name	Aerosols, flammable	
Identification Number	UN1950	[pic]
Hazard Class	2.1	
Label Codes		
ntification Of The Substance/m		
ERG Code (IATA)		

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Toluene (CAS 108-88-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Safe Drinking Water Act (SDWA): Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Acetone (CAS 67-64-1) 6532

Toluene (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 C 1310.12(c))

Acetone (CAS 67-64-1) 35 %WV

Toluene (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

Acetone (CAS 67-64-1) 6532

Toluene (CAS 108-88-3) 594

SARA Section 311/312 Hazard Classes	Immediate Hazard - Yes
	Delayed Hazard - Yes

Toxic Substances Control Act (TSCA)	Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No All components are on the U.S. EPA TSCA Inventory List.
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15.2 US State Regulations
 US. Massachusetts RTK - Substance List
 Acetone (CAS 67-64-1)
 Carbon Dioxide (CAS 124-38-9)
 n-Heptane (CAS 142-82-5)
 Toluene (CAS 108-88-3)

US. New Jersey Worker and Community Right-to-Know Act
 Acetone (CAS 67-64-1)
 Carbon Dioxide (CAS 124-38-9)
 n-Heptane (CAS 142-82-5)
 Toluene (CAS 108-88-3)

US. Pennsylvania Worker and Community Right-to-Know Law
 Acetone (CAS 67-64-1)
 Carbon Dioxide (CAS 124-38-9)
 n-Heptane (CAS 142-82-5)
 Toluene (CAS 108-88-3)

US. Rhode Island RTK
 Acetone (CAS 67-64-1)
 Toluene (CAS 108-88-3)

US. California Proposition 65
 WARNING: This product contains a chemical known to the State of California to
 cause birth defects or other reproductive harm.
 US - California Proposition 65 - CRT: Listed date/Developmental toxin
 Toluene (CAS 108-88-3) Listed: January 1, 1991
 US - California Proposition 65 - CRT: Listed date/Female reproductive toxin
 Toluene (CAS 108-88-3) Listed: August 7, 2009

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION
 Revision date | 09-11-2014
 Other Information | This document has been prepared in accordance with the SDS
 requirements of the OSHA Hazard Communication Standard 29 CFR
 1910.1200.

GHS Full Text Phrases:

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Grainger disclaimer. We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. 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.