

SAFETY DATA SHEET.

Issuing date 13-Jan-2017

Revision Date 13-Jan-2017

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name 820035-0 BRAKE PARTS CLEANER 10 % VOC

Recommended use of the chemical and restrictions on use

Product code F03591

Product Type Highly Flammable Liquid and Vapor
Synonyms None

Supplier's details

Recommended Use Brake Cleaner.
Uses advised against No information available

Manufactured For:
Imperial Supplies LLC
789 Armed Forces Drive
P.O. Box 11008
Green Bay, WI 53407-1008

Emergency telephone number
Chemical Emergency Phone Number Chemtrec 1-800-424-9300
Company Emergency Phone Number 1-800-558-2808

Other information

• None

0 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight %* |
|--------------------------------|------------|-----------|
| ACETONE | 67-64-1 | 70-80 |
| METHYL ACETATE | 79-20-9 | 10-20 |
| XYLENE | 1330-20-7 | 1-10 |
| HYDROTREATED LIGHT DISTALLATES | 64742-47-8 | 1-10 |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First aid measures for different exposure routes**

| | |
|-----------------------|--|
| General advice | Avoid contact with skin, eyes, and clothing. |
| Eye contact | Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. |
| Skin contact | Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. If skin irritation persists, call a physician. |
| Inhalation | Move to fresh air. Call a physician if symptoms develop or persist. If breathing has stopped, contact emergency medical services immediately. Artificial respiration and/or oxygen may be necessary. If breathing is difficult, give oxygen. |
| Ingestion | Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion. |

Most important symptoms/effects, acute and delayed

| | |
|----------------------|--|
| Main Symptoms | Causes eye irritation. May cause skin and respiratory irritation. Harmful if swallowed and enters airways. |
|----------------------|--|

Indication of immediate medical attention and special treatment needed, if necessary

| | |
|---------------------------|------------------------|
| Notes to physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water fog. Dry chemical. Carbon dioxide (CO₂). Cool containers / tanks with water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Extremely Flammable/Flammable. Containers can build up pressure if exposed to heat (fire). Keep containers and surrounding areas cool with water spray.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use with adequate ventilation to keep the exposure levels below the OELS. Absorb with sand ,clay, or other suitable material. Hard surfaces may be mopped with water. Remove all sources of ignition.

Environmental precautions

Environmental precautions Vapors can accumulate in low areas. Report spills as required by local and federal regulations. Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

Methods for Containment Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Contain liquid and collect with an inert,non-combustible material. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Prevent product from entering drains.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid inhaling vapors or mists. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Keep container away from heat, flames,and all other sources of ignition.Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep containers tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Do not spray on hot surfaces. Keep in properly labeled containers. Keep out of the reach of children. Store locked up. Keep away from heat and sources of ignition.

Incompatible products Strong acids, alkalis, or oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------|-----------|----------|------------|
|---------------|-----------|----------|------------|

| | | | |
|--|-------------------------------|---|--|
| ACETONE 67-64-1 | STEL: 500 ppm TWA: 250 ppm | TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm | IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³ |
| METHYL ACETATE 79-20-9 | STEL: 250 ppm TWA: 200 ppm | TWA: 200 ppm TWA: 610 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 610 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 760 mg/m ³ | IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m ³ STEL: 250 ppm STEL: 760 mg/m ³ |
| XYLENE 1330-20-7 | STEL: 150 ppm TWA: 100 ppm | TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³ | - |
| HYDROTREATED LIGHT DISTALLATES 64742-47-8 | TWA: 200 PPM 8 hours | - | - |

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure controls

Engineering Measures Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELs.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Safety glasses with side-shields.
- Skin and body protection** Chemical resistant apron. Protective gloves.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

| | | | |
|-----------------------|-----------|-----------------------|---------|
| Physical state | Liquid | Odor | Solvent |
| Appearance | Clear | Odor Threshold | |
| Color | colorless | | |

| | | |
|------------------------------------|--------------------------|--------------------------|
| Property | Values | Remarks • Methods |
| pH | No information available | |
| Melting/freezing point | No information available | |
| Boiling point/boiling range | | |
| Flash Point | -20 °C / -4 °F | (based on components) |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |

Flammability Limits in Air

upper flammability limit

lower flammability limit

Vapor pressure**Vapor density****Specific Gravity** 0.818**Water solubility** No information available**Partition coefficient: n-octanol/water****Autoignition temperature** No information available**Decomposition temperature****Viscosity** No information available**Explosive properties****Other information****VOC Content(%)** 9.75 VOC (lb./gal) 0.66 VOC (g/L) 79.17**10. STABILITY AND REACTIVITY****Reactivity**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Heat, flames and sparks.

Incompatible Materials

Strong acids, alkalis, or oxidizing agents.

Hazardous Decomposition Products

Carbon oxides. Fumes. Hydrocarbons.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

| | |
|---------------------|--|
| Inhalation | Avoid inhaling vapors or mists. May cause respiratory irritation, drowsiness or dizziness. Harmful if inhaled. |
| Eye contact | Causes serious eye irritation. |
| Skin contact | May cause skin irritation and prolonged skin contact may defat the skin and produce dermatitis. |
| Ingestion | May cause respiratory irritation. May cause drowsiness or dizziness. |

Component Information

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------|----------------------|-------------------------|---------------------------------------|
| ACETONE 67-64-1 | = 5800 mg/kg (Rat) | - | = 50100 mg/m ³ (Rat) 8 h |
| METHYL ACETATE 79-20-9 | > 5 g/kg (Rat) | > 5 g/kg (Rabbit) | = 16000 ppm (Rat) 4 h |
| XYLENE 1330-20-7 | = 3500 mg/kg (Rat) | > 4350 mg/kg (Rabbit) | = 29.08 mg/L (Rat) 4 h |

| | | | |
|--|----------------------|-------------------------|------------------------|
| HYDROTREATED LIGHT DISTALLATES 64742-47-8 | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 5.2 mg/L (Rat) 4 h |
|--|----------------------|-------------------------|------------------------|

Information on toxicological effects

Symptoms Causes eye irritation. May cause skin and and respiratory irritation. May be harmful if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause irritation to skin.
Eye damage/irritation Causes eye irritation.
Irritation Causes eye irritation. May cause skin and respiratory irritation.
Corrosivity Risk of serious damage to eyes.
Sensitization None known.
Germ Cell Mutagenicity Not a germ cell mutagen.
Carcinogenicity The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------------|-------|---------|-----|------|
| XYLENE 1330-20-7 | - | Group 3 | - | - |

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

A2 - Suspected Human Carcinogen

A1 - Known Human Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Group 2B - Possibly Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 1 - Carcinogenic to Humans

NTP: (National Toxicity Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive toxicity The ingredients are not reproductive hazards.
Specific target organ systemic toxicity (single exposure) May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ systemic toxicity (repeated exposure) No information available.
Chronic toxicity Causes eye irritation. May cause skin irritation. May cause respiratory irritation. May be fatal if swallowed and enters airways.
Target Organ Effects Central Nervous System, , Eyes, Kidney, Liver, Lungs, Respiratory System, and Skin.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 250000 mg/kg

ATEmix (dermal) 11349 mg/kg

ATEmix (inhalation-gas) 250000 mg/l

ATEmix (inhalation-dust/mist) 15.5 mg/l

ATEmix (inhalation-vapor) 2273 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|---------------|-------------------|------------------|----------------------------|---|
|---------------|-------------------|------------------|----------------------------|---|

| | | | | |
|---|--|--|---|---|
| ACETONE 67-64-1 | - | 4.74 - 6.33 mL/L LC50 Oncorhynchus mykiss 96h 6210 - 8120 mg/L LC50 Pimephales promelas 96h static 8300 mg/L LC50 Lepomis macrochirus 96h | - | 10294 - 17704 mg/L EC50 Daphnia magna 48h Static 12600 - 12700 mg/L EC50 Daphnia magna 48h |
| METHYL ACETATE 79-20-9 | 120 mg/L EC50 Desmodemus subspicatus 72h | 295 - 348 mg/L LC50 Pimephales promelas 96h flow-through 250 - 350 mg/L LC50 Brachydanio rerio 96h static | - | 1026.7 mg/L EC50 Daphnia magna 48h |
| XYLENE 1330-20-7 | - | 13.4 mg/L LC50 Pimephales promelas 96h flow-through 2.661 - 4.093 mg/L LC50 Oncorhynchus mykiss 96h static 13.5 - 17.3 mg/L LC50 Oncorhynchus mykiss 96h 13.1 - 16.5 mg/L LC50 Lepomis macrochirus 96h flow-through 19 mg/L LC50 Lepomis macrochirus 96h 7.711 - 9.591 mg/L LC50 Lepomis macrochirus 96h static 23.53 - 29.97 mg/L LC50 Pimephales promelas 96h static 780 mg/L LC50 Cyprinus carpio 96h semi-static 780 mg/L LC50 Cyprinus carpio 96h 30.26 - 40.75 mg/L LC50 Poecilia reticulata 96h static | - | 3.82 mg/L EC50 water flea 48h 0.6 mg/L LC50 Gammarus lacustris 48h |
| HYDROTREATED LIGHT DISTALLATES 64742-47-8 | - | 45 mg/L LC50 Pimephales promelas 96h flow-through 2.2 mg/L LC50 Lepomis macrochirus 96h static 2.4 mg/L LC50 Oncorhynchus mykiss 96h static | - | - |

Persistence and degradability

.

Bioaccumulation

.

| Chemical Name | log Pow |
|---------------------------|-------------|
| ACETONE 67-64-1 | -0.24 |
| METHYL ACETATE 79-20-9 | 0.18 |
| XYLENE 1330-20-7 | 2.77 - 3.15 |

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment****Waste Disposal Methods**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging

Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Ground UN1993, FLAMMABLE LIQUID, N.O.S. (ACETONE, METHYL ACETATE), 3, PGII

IATA PACKAGE SIZE NOT ACCEPTED FOR AIR TRANSPORT

IMDG UN1993, FLAMMABLE LIQUID, N.O.S. (ACETONE ,METHYL ACETATE),3,PGII

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | DSL/NDSL | EINECS/ELI NCS | ENCS | IECSC | KECL | PICCS | AICS |
|-----------------------------------|------|----------|-------------------|------------|-------|------|-------|------|
| ACETONE | X | X | X | X | X | X | X | X |
| METHYL ACETATE | X | X | X | X | X | X | X | X |
| XYLENE | X | X | X | X | X | X | X | X |
| HYDROTREATED LIGHT DISTALLATES | X | X | X | Not listed | X | X | X | X |

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- CHINA - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No | Weight %* | SARA 313 - Threshold Values % |
|--------------------|-----------|-----------|-------------------------------|
| XYLENE - 1330-20-7 | 1330-20-7 | 1-10 | 1.0 |

SARA 311/312 Hazard Categories

- Acute Health Hazard Yes
- Chronic Health Star Hazard Yes
- Fire Hazard Yes
- Sudden Release of Pressure Hazard Yes
- Reactive Hazard no

Clean Water Act

This product does contain the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| XYLENE 1330-20-7 | 100 lb | | | X |

CERCLA

This material, as supplied, does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|---------------------|--------------------------|------------------------------------|--|
| ACETONE 67-64-1 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| XYLENE 1330-20-7 | 100 lb | | RQ 100 lb final RQ RQ 45.4 kg final RQ |

U.S. State Regulations

California Proposition 65

No warning required. Component in product at less than 0.1 %.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------------------|------------|---------------|--------------|
| ACETONE 67-64-1 | X | X | X |
| METHYL ACETATE 79-20-9 | X | X | X |
| XYLENE 1330-20-7 | X | X | X |

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials
B2 Flammable liquid

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

| | | | | |
|-----------------------------------|-------------------------|---|--------------------------|--|
| NFPA | Health Hazard 2 | Flammability 3 | Instability 0 | Physical and chemical hazards - |
| HMIS | Health Hazard 2* | Flammability 3 | Physical Hazard 0 | Personal protection B |
| <i>Chronic Hazard Star Legend</i> | | <i>Repeated or prolonged exposure may cause central nervous system damage</i> | | <i>Chronic Health Star Hazard</i> |

Prepared By Regulatory Affairs
Issuing date 13-Jan-2017
Revision Date 13-Jan-2017
Revision Note

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet