



SAFETY DATA SHEET


CONFORMS TO OSHA HAZARD COMMUNICATION STANDARD
(HCS) 29 CFR 1910.1200

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Revision Date 7/30/2015
Supersedes Date 6/1/2015

SECTION 1. IDENTIFICATION

Product identifier: Formula 410 (Aerosol)
Part number: 350945A
Identified uses: Lubricant where there may be incidental food contact
Uses advised against: Not intended for direct food contact. Other uses advised against may be specified elsewhere in this SDS.
Supplier: John Bean Technologies Corporation
1622 First Street
Sandusky, OH 44870 USA
Email contact: NAParts@NET.JBTC.com
Non-emergency contact: Phone: 800-408-7788 (Toll-Free) Fax: 507-645-9664
Emergency telephone: 3E Company: North America 800-451-8346
International +1 760-602-8703

SECTION 2. HAZARD(S) IDENTIFICATION

Classification: Flammable Aerosol Cat. 1
Label elements
Pictograms: 
Signal word: Danger
Hazard statements: Extremely flammable aerosol.
Precautionary statements: Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Hazards not otherwise classified: Not applicable
Additional information: Not applicable.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Composition:</u>	<u>Chemical name</u>	<u>%</u>	<u>CAS #</u>	<u>Impurities</u>
	Naphtha (petroleum), hydrotreated light*	10-25	64742-49-0	None
	Propane	10-25	74-98-6	None
	Butane	2.5-10	106-97-8	None

SECTION 4. FIRST-AID MEASURES

First aid measures
Eye contact: Remove contact lenses, if wearing, and flush eyes with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physician.
Skin contact: Remove clothing and shoes, if contaminated. Wash skin with soap and water. Wash or clean contaminated clothing before reuse and discard oil-soaked shoes. If irritation persists, consult a physician.
Ingestion: If swallowed, DO NOT induce vomiting. As a precaution, give the person a glass of water to drink and seek medical attention. Never give anything by mouth to an unconscious person. Consult a physician.
Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Most important symptoms and effects, both acute and delayed: No further relevant information available.
Indication of any immediate medical attention and special treatment available: No further relevant information available.
General information: No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES

<u>Suitable extinguishing media:</u>	Extinguishing media include dry chemical, alcohol foam, and carbon dioxide. Do not use direct stream of water. Water may be used to keep fire-exposed containers cool.
<u>Unsuitable extinguishing media:</u>	Do not use direct stream of water.
<u>Specific hazards:</u>	Extremely flammable aerosol. Pressure build-up due to heat exposure may cause containers to rupture. Use water spray to keep containers cool.
<u>Advice for firefighters:</u>	Firefighters should wear full protective gear, including helmet. Use supplied-air breathing equipment for enclosed or confined space or as otherwise needed.

SECTION 6. ACCIDENTAL RELEASE MEASURES

<u>Personal precautions, protective equipment and emergency procedures</u>	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Keep away from ignition sources. Wear protective equipment. Keep unprotected persons away.
<u>Environmental precautions:</u>	Prevent entry into sewers, waterways or confined areas by diking or impounding. Dike far ahead of spill for later recovery and disposal. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.
<u>Methods for containment and cleaning up</u>	Land spill: Stop leak if you can do so without risk. Recover free product using non-sparking tools. Add sand, earth, or other suitable absorbent material to the spill area. Recover by pumping or with suitable absorbents. Dispose of in accordance with national and/or local regulations relating to waste disposal. Water spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

SECTION 7. HANDLING AND STORAGE

<u>Precautions for safe handling:</u>	Keep away from heat and direct sunlight. Keep away from ignition sources - Do not smoke. Protect against electrostatic discharges. Ensure good ventilation/exhaustion at the workplace.
<u>Conditions for safe storage, including any incompatibilities:</u>	Store in a cool, dry place in tightly sealed containers. Store out of direct sunlight. Observe official regulations on storing packagings with pressurized containers. Store away from oxidizing agents. Do not store near heat, sparks, open flame, pilot lights, static electricity, or other sources of ignition. Do not store where temperature may exceed 49°C (120°F). Rotate stock.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Workplace exposure limits:</u>	<u>Chemical name</u>	<u>Exposure limit and source</u>
	Naphtha (petroleum), hydrotreated light*	Not available
	Propane	Not available
	Butane	Short-term value = 1450 mg/m ³ , 600 ppm Long-term value = 1810 mg/m ³ , 750 ppm
<u>Exposure controls</u>		
Engineering controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapors below their respective occupational exposure limits.	
Ventilation:	Use in a well-ventilated area. See Engineering Controls.	
Personal hygiene:	Wash skin thoroughly after contact, before breaks and meals and at the end of the work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.	
Eye protection:	Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.	
Hand protection:	Any lined non-permeable rubber gloves.	
Respiratory protection:	Use with adequate ventilation. Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. In case of insufficient ventilation, wear suitable respiratory equipment. A NIOSH/MSHA-approved air-supplied respirator is advised in absence of proper environmental control.	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance / odor:</u>	Clear liquid with a solvent odor	<u>Upper flammability limit:</u>	Not available
<u>Physical state:</u>	Liquid and compressed gas in aerosol can	<u>Lower flammability limit:</u>	Not available
<u>Odor threshold:</u>	Not available	<u>Vapor pressure:</u>	Not available
<u>pH:</u>	Not available	<u>Vapor density:</u>	Not available
<u>Melting / freezing point:</u>	Not available	<u>Relative density:</u>	

Initial boiling point and boiling range: Not available

Flash point: Not available

Evaporation rate: Not available

Flammability (solid, gas): Extremely flammable aerosol

Solubility in water: Negligible

Partition coefficient (n-octanol/water): Not available

Autoignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended conditions.

Possibility of hazardous reactions: Hazardous reactions are not expected to occur.

Conditions and materials to avoid: Avoid contact with high temperatures, sparks and open flames.

Hazardous decomposition products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Component information:	Components	LD₅₀	LC₅₀
	Naphtha (petroleum), hydrotreated light*	Not available	Not available
	Propane	Not available	Not available
	Butane	Not available	658 mg/l/4h (inhalation, rat)

Information on physical, chemical and toxicological effects

Symptoms: Please see Section 4 of this SDS for symptoms.

Delayed and immediate effects, and chronic effects, from short and long-terms exposure

Effects: No further relevant information available.

Carcinogenicity: This product does not contain a carcinogen or potential carcinogen as listed by NTP or IARC.

Numerical measures of toxicity: Not determined

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available

Component information:	Components	L(E)C₅₀
	Naphtha (petroleum), hydrotreated light*	Not available
	Propane	Not available
	Butane	Not available

Persistence and degradability: Not determined

Bioaccumulative potential: Not determined

Mobility in soil: Not available

Other adverse effects: Not determined

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Consult national or regional authorities for proper disposal and reporting procedures.

SECTION 14. TRANSPORTATION INFORMATION

Dangerous goods descriptions may not reflect package size, quantity, end-use or region-specific exceptions that can be applied to shipments. Consult shipping documents for material-specific descriptions.

	Proper Shipping Name:	UN Number:	Hazard Class:	Packing Group:	Remarks:
U.S. D.O.T.	Aerosols, flammable	UN1950	2.1	None	The above U.S. DOT information applies to GROUND shipments only. Refer to Code of Federal Regulations, Title 49 (49 CFR) for additional shipping information.
ADR/RID	Aerosols, flammable	UN1950	2.1	None	Tunnel Restriction D
IMDG	Aerosols, flammable	UN1950	2.1	None	None
IATA	Aerosols, flammable	UN1950	2.1	None	None

SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA Section 302 Extremely Hazardous Substances: This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List: None

SARA Section 304 CERCLA Hazardous Substances: Release of the following chemical(s) at quantities equal to or greater than the reportable quantities (RQ), is subject to reporting to the National Response Center under CERCLA: None

SARA Section 313 Toxic Chemicals: This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations: None

TSCA Inventory: All components of this material are on the U.S. TSCA Inventory.

U.S. State Regulations

California Proposition 65 Status This product does not contain chemical(s) known to the State of California to cause birth defects or other reproductive harm.

California Proposition 65 Listed Components None

International Regulations

Canada: All components are in compliance with the Canadian Environmental Protection Act. This product has been classified in accordance with the hazard criteria of the CPR and this SDS contains all the information required by CPR.

Japan MITI: Not available

Australia: Not available

Switzerland: Not available

SECTION 16. OTHER INFORMATION

Sections Revised: New SDS format

Revision Date: 7/30/2015

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*** END OF SDS ***