

Safety Data Sheet

Revision Date: 06-09-2015
Product Code: 21092

1. IDENTIFICATION

Product Name	MEDIUM REDUCER
Product Code	21092
Document ID	G21092
Revision Number	1
Prior Version Date	None
Intended Use	Solvent, Containing Petroleum Distillates
Restrictions On Use	For Industrial Use Only
Chemical Family	Solvent Mixture/Thinner
Chemical Manufacturer / Importer	JONES-BLAIR® Company, LLC 2728 Empire Central Dallas, TX 75235 1-214-353-1600
Emergency Telephone Number:	ChemTrec Center 1-800-424-9300 International: 703-527-3887

2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Hazard
Pictograms



GHS Classification

Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2
Carcinogenicity Category 2
Reproductive Toxicity Category 2
Flammable Liquid Category 3
Acute Toxicity - Inhalation Vapour Category 3
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3
Acute Toxicity - Oral Category 4

Signal Word

Danger

Hazard Statements

Flammable liquid and vapour. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Toxic if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

Precautionary Statements

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 and hot surfaces. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust, fume, mist, vapours or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only

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	outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection. Use personal protective equipment as required.
Response	IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position 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 attention. Call a POISON CENTER or physician if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing and wash before reuse. In case of fire: Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray for extinction.
Storage	Store locked up. Store in a cool, well-ventilated place. Keep container tightly closed.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards Not Otherwise Classified (HNOC)	Not applicable
Additional Information	Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Component</u>	<u>CAS #</u>	<u>%</u>
Cyclohexanone	108-94-1	10 - 30
4-Methyl-2-pentanone	108-10-1	10 - 30
Xylene	1330-20-7	10 - 30
Light aromatic solvent naphtha	64742-95-6	7 - 13
1,2,4-Trimethylbenzene	95-63-6	3 - 7
Ethylbenzene	100-41-4	1 - 5
Toluene	108-88-3	0.1 - 1
Cumene	98-82-8	0.1 - 1

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.
Eye Contact	Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material

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into the lungs potentially causing chemical pneumonitis that may be fatal.

Most Important Acute Symptoms and Effects Not Available
Most Important Delayed Symptoms and Effects Not Available
Special treatment needed: No additional first aid information available

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and minimize fire damage.
Unsuitable Extinguishing Media	No data available
Fire and/or Explosion Hazards	Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire. The liquid is volatile and gives off invisible vapors. The vapor is heavier than air and will settle in low areas or travel along the ground to an ignition source where they may ignite or explode.
Hazardous Combustion Products	Toxic gases, Carbon dioxide, Carbon monoxide, Sulfur containing gases
Special Protective Equipment and Precautions for Fire-Fighters	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Methods and Material for Containment and Cleaning Up	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Ground and bond containers when transferring material. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Use non-sparking tools when opening or closing containers. Remove contaminated clothing and wash before reuse. Follow all protective equipment recommendations provided in Section VIII.
Conditions for Safe Storage	Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.

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Materials to Avoid/Chemical
Incompatibility

Oxidizing agents, Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Cyclohexanone	50 ppm TWA; 200 mg/m ³ TWA	20 ppm TWA; 50 mg/m ³ TWA	
Methyl Isobutyl Ketone	100 ppm TWA; 410 mg/m ³ TWA	50 ppm TWA; 205 mg/m ³ TWA	75 ppm STEL; 307 mg/m ³ STEL
Xylene	100 ppm TWA; 435 mg/m ³ TWA	100 ppm TWA; 434 mg/m ³ TWA	150 ppm STEL; 651 mg/m ³ STEL
1,2,4-Trimethylbenzene		25ppm; 123mg/m ³ TWA	
Ethylbenzene	100 ppm TWA; 435 mg/m ³ TWA	100 ppm TWA; 434 mg/m ³ TWA	125 ppm STEL; 543 mg/m ³ STEL
Cumene	50 ppm TWA; 245 mg/m ³ TWA	50 ppm TWA; 246 mg/m ³ TWA	

Appropriate Engineering Controls

Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Explosion proof exhaust ventilation should be used.

Respiratory Protection

General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.

Eye Protection

Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

Skin Protection

Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact.

Other Protective Equipment General Hygiene Conditions

Nitrile Impervious rubber

"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Ground and bond containers when transferring material. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Use non-sparking tools when opening or closing containers. Remove contaminated clothing and wash before reuse. Follow all protective equipment recommendations provided in Section VIII.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

Liquid

Color

Colorless

Odor

Ketone

Odor Threshold

No data available

pH

No data available

Melting Point/Freezing Point (°F/°C)

No data available / No data available

Initial Boiling Point and Boiling Range

Low (°F)

237.0

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High (°F)	335.0
Flash Point (°F/°C)	78 / 26
Evaporation Rate	1.60 (n-Butyl Acetate = 1.0)
Flammability (solid, gas)	No data available
Upper Flammable/Explosive Limit	8.0
Lower Flammable/Explosive Limit	1.0
Vapor Pressure	20.00 mbar
Vapor Density	4.15 (air = 1)
Relative Density	0.950
Solubility in Water	Minimal; 1-9%
Partition coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature:	No data available
Volatiles, % by volume	100.00
Volatiles, % by weight	100.00
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	864.13
(Actual, Calculated)	864.13
Density	7.11 - 7.31 lbs./Gal

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Sparks, open flame, other ignition sources, and elevated temperatures. Contamination.
Incompatible Materials	Oxidizing agents, Acids
Hazardous Decomposition Products	Toxic gases, Carbon dioxide, Carbon monoxide, Sulfur containing gases

11. TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation Skin absorption Skin contact Eye contact Ingestion
<u>Immediate (Acute) Health Effects by Route of Exposure</u>	
Inhalation Irritation	Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
Inhalation Toxicity	Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.
Skin Contact	Can cause moderate skin irritation.
Skin Absorption	May cause severe irritation and systemic damage. May be harmful if absorbed through skin.
Eye Contact	Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.
Ingestion Toxicity	Harmful or fatal if swallowed. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.
<u>Long-Term (Chronic) Health Effects</u>	
Carcinogenicity	Possible cancer hazard. Contains ethylbenzene which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)
Reproductive and Developmental	Xylene may cause adverse reproductive and/or developmental effects.

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Toxicity
Mutagenicity
Inhalation

Pregnant women may be at an increased risk from exposure.
Xylene has been shown to be positive in mutagenicity assays.
NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Skin Contact

Prolonged or repeated contact may produce defatting of the skin leading to irritation and dermatitis.

Skin Absorption

Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

Product Toxicology Data

Dermal Acute Toxicity Estimate (ATE) 2,139.67 mg/kg

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Cyclohexanone	Oral LD50 Rat 1535 mg/kg	Dermal LD50 Rabbit 1111 mg/kg	Inhalation LC50 (4h) Rat 15.00 mg/L
4-Methyl-2-pentanone	Oral LD50 Rat 2080 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat 8.20 - 16.40 mg/L
Xylene	Oral LD50 Rat 3523 mg/kg	Dermal LD50 Rabbit 1100 mg/kg	Inhalation LC50 (4h) Rat 11.00 mg/L
Light aromatic solvent naphtha	Oral LD50 Rat 8400 mg/kg	Dermal LD50 Rat > 2000 mg/kg	Inhalation LC50 (4h) Rat 5.60 mg/L
1,2,4-Trimethylbenzene	Oral LD50 Rat 6000 mg/kg	Dermal LD50 Rat > 3440 mg/kg	Inhalation LC50 (4h) Rat 10.20 mg/L
Ethylbenzene	Oral LD50 Rat 3500 mg/kg	Dermal LD50 Rabbit 5510 mg/kg	Inhalation LC50 (4h) Rat 17.00 mg/L
Cumene	Oral LD50 Rat 1400 mg/kg	Dermal LD50 Rabbit > 3160 mg/kg	Inhalation LC50 (4h) Rat 8,000.00 ppm

Carcinogen Information

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
4-Methyl-2-pentanone	2B		
Ethylbenzene	2B		
Cumene	2B		

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available)	No data available
Mobility in soil	No data available

13. DISPOSAL CONSIDERATIONS

Safe Handling of Waste	Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.
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14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

DOT Basic Description: Paint Related Material
Hazard Class: 3

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UN Number: UN1263

Packing Group: III

Other: This product qualifies for a limited quantity exception per CFR173.150(b)(3) for inner containers <= 1.3 gallons (5L) and total gross package wt <= 66 lbs (30kg).

Marine Pollutant: No

15. REGULATORY INFORMATION

TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

Regulated Components

SARA EHS Chemicals

Not applicable

CERCLA

Cyclohexanone	108-94-1	10 - 30
Methyl Isobutyl Ketone	108-10-1	10 - 30
Xylene (mixed isomers)	1330-20-7	10 - 30
Ethyl Benzene	100-41-4	1 - 5
Cumene	98-82-8	0.1 - 1

SARA 313

Methyl Isobutyl Ketone	108-10-1	10 - 30
Xylene (mixed isomers)	1330-20-7	10 - 30
1,2,4-Trimethylbenzene	95-63-6	3 - 7
Ethylbenzene	100-41-4	1 - 5
Cumene	98-82-8	0.1 - 1

SARA 311/312

Health (Acute):	Y
Health (chronic):	Y
Fire (Flammable):	Y
Pressure:	N
Reactivity:	N

U. S. State Regulations:

California Prop 65 Chemicals

Cancer

	<u>CAS #</u>	<u>%</u>
Ethyl Benzene	100-41-4	1 - 5
Cumene	98-82-8	0.1 - 1
Benzene	71-43-2	0.01 - 0.1

Reproductive

Methyl Isobutyl Ketone	108-10-1	10 - 30
Toluene	108-88-3	0.1 - 1
Benzene	71-43-2	0.01 - 0.1

Canadian Regulations:

CEPA DSL: The components of this product ARE listed on the Canadian Domestic Substances List.

WHMIS Hazard Class: B2 D2A

16. OTHER INFORMATION

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Disclaimer

This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.