Cleaner (A)
Safety data sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules & Regulations
Revision date: 06/18 Supersedes: 07/16 Prepared By: C. Boddie

1. Chemical Product & Company Identification

Product Identifier / Product Name:
RubberLoc Cleaner (A)
Name, Address & Telephone of Manufacturer:
Industrial Polymers, Inc.
3250 South Sam Houston Parkway East
Houston, Texas 77047
Phone: 800-766-3832
Fax: 713-943-1525
Www.IndustrialPolymers.Com
Emergency Contact:
Chemtrec: 800-424-9300 (Inside the USA)
703-527-3887 (International)

2. Hazards Identification

Classification of the Substance or Mixture (GHS-US)
No additional information
Labeling Elements GHS-US
Hazard Pictograms:

Signal Word: Danger
Hazard Statements:
H225 - Highly flammable liquid and vapour.
H315 - Causes skin irritation.
H320 - Causes eye irritation.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness
Precautionary Statements:
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 - Wear protective gloves, protective clothing, and eye protection.
P403 - Store in a well-ventilated place.
Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.
Unknown Acute Toxicity (GHS-US): No data available

3. Composition/Information on Ingredients

Substance: Not Applicable
Mixture

Name	Product Identifier	Concentration	Classification
Methyl Ethyl Ketone	(CAS) 78-93-3 (EINECS) 201-159-0	> 99%	Flammible Liquids 2, H225 Skin Irrit. 2, H315 Eye Irrit 2B, H320 STOT SE 3, H335 STOT SE 3, H336

Trace components: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).
Full text of H-phrases: see Section 16

4. First Aid Measures

Description of First Aid measures
First-aid Measures General: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.
First-aid Measures After Eye Contact: If this product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. "Roll" eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.
First-aid Measures After Inhalation: After high vapor exposure, remove to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention. In case of inhalation of decomposition products in a fire, symptoms may be delayed.The exposed person may need to be kept under medical surveillance for 48 hours.
First-aid Measures After Skin Contact: If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes.

4. First Aid Measures (Cont.)

First-aid Measures After Ingestion: If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/Injuries: May cause an allergic skin reaction. Inhalation may cause allergic respiratory reaction with asthma-like symptoms and difficulty breathing.

Symptoms/Injuries After Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Exposure may produce an allergic reaction.

Indication of Any Immediate Medical Attention and Special Treatment Needed: If exposed or concerned, get medical advice and attention.

5. Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use dry powder, AFFF, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special Hazards Arising From Substance or Mixture

Fire Hazard: Flammable liquid and vapor.

Reactivity: HIGHLY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Explosion Hazard: May form flammable/explosive vapor-air mixture.

Advice For Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses. Do not allow the product to be released into the environment.

6. Accidental Release Measures

Personal Precautions, Protective Equipment & Emergency Procedures

General Measures: Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid all eyes and skin contact and do not breathe vapor, mist, and spray.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area. Eliminate ignition sources.

Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods & Material for Containment & Cleaning Up

For Containment: Do not take up in combustible material such as saw dust or cellulosic material.

Methods for Cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Use only non-sparking tools.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. Handling & Storage

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable. Fire will produce irritating, corrosive and/or toxic gases.

Precautions for Safe Handling: Use only outdoors or in a well-ventilated area. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use only non-sparking tools. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Do not breathe vapors, mist, and spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Comply with applicable regulations.

Storage Conditions: Keep in fireproof surroundings. Keep separated from strong oxidants, strong acids. Keep cool. Do not store above 49˚C/120˚F. Keep container tightly closed & upright when not in use to prevent leakage.

NONBULK: CONTAINERS: Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Post warning and "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.

Incompatible Materials: Sources of ignition. Direct sunlight. Heat sources Reacts with strong oxidants, causing fire & explosion hazard.

Maximum Storage Period: 1 year @ 23°C (75°F)

8. Exposure Controls/Personal Protection

Control Parameters

Methyl Ethyl Ketone (78-93-3)

ACGIH	TLV (ppm)	200 ppm
OSHA	TWA (ppm)	200 ppm
OSHA	STEL (ppm)	300 ppm

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing.

Hand Protection: Wear appropriate impervious gloves for routine industrial use. Use impervious gloves for spill response, as stated in Section 6 of this SDS (Accidental Release Measures). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Eye Protection: Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

Skin and Body Protection: Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from impervious materials are generally acceptable, depending on the task.

Respiratory Protection: Seek professional advice prior to respirator selection and use. Maintain airborne contaminant concentrations below exposure limits given above. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, European Standard EN 149, or applicable State regulations. If adequate ventilation is not available or there is potential for airborne exposure above the exposure limits, a respirator may be worn up to the respirator exposure limitations, check with respirator equipment manufacturer's recommendations/limitations. For a higher level of protection, use positive pressure supplied air respiration protection or Self-Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

Emergency Or Planned Entry Into Unknown Concentrations Or Idlh Conditions: Positive pressure, full-face piece Self-Contained Breathing Apparatus; or positive pressure, full-face piece Self-Contained Breathing Apparatus with an auxiliary positive pressure Self-Contained Breathing Apparatus.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

9. Physical & Chemical Properties

Information on Basic Physical & Chemical Properties

Physical State:	Liquid
Appearance:	Water-white
Odor:	Ketone
Odor Threshold:	No data available
pH:	No data available
Evaporation Rate:	3.6
Melting Point/ Freezing Point:	No data available
Boiling Point (IBP, 50%, Dry Point):	77˚C, 79˚C, 81°C (172°F, 175°F, 178°F)
Decomposition Temperature:	No data available
Flammability Classification:	Class I B
Lower Flammable Limit:	1.8
Upper Flammable Limit:	10.0
Flash Point:	-2˚C (28˚F) TCC
Vapor Pressure:	70.0 mmHg at 20.0 °C (68.0 °F)
Relative Vapor Density (air = 1):	2.5
Partial Coefficient: N-Octanol/Water:	No data available
Solubility:	Applicable
Auto-Ignition Temperature:	465.0 °C (869.0 °F)
Specific Gravity:	0.805
Auto Ignition:	515˚C (960˚F)
Total VOC's	100.0 Vol% / 805.0 g/l / 6.7 lbs/gal
Nonexempt VOC Partial Pressure	70.0 (mm of Hg @ 20˚C) * Using California Air Resources Board (CARB) Rule 310.

10. Stability & Reactivity

Reactivity: No data available.

Chemical Stability: Stable under normal conditions

Possibility of Hazardous Reactions: Vapours may form explosive mixture with air.

Conditions to Avoid: Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Incompatible Materials: Reacts with strong oxidants, causing fire & explosion hazard.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide from burning.

11. Toxicological Information

Information On Toxicological Effects
Acute Toxicity: Not Classified

Methyl Ethyl Ketone (78-93-3)

LD50 Oral Rat	2400 mg/kg
LC50 Inhalation Rat	2000 mg/m^3
LD50 Dermal Rabbit	12600 mg/kg
Skin Corrosion/Irritation:	Causes skin irritation.
Serious Eye Damage/Irritation	Causes skin irritation
Respiratory or Skin Sensitization	Causes respiratory irritation
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity (Single Exposure)	May cause drowsiness or dizziness
Specific Target Organ Toxicity (Repeated Exposure)	Not classified
Aspiration Hazard	Not classified

12. Ecological Information

Toxicity:
Persistence and Degradability: Completely biodegradable
Bioaccumulative Potential: Does not biomagnify or accumulate in the environment
Mobility in Soil: This material is a mobile liquid.
Other Adverse Effects: Avoid release to the environment.

13. Disposal Consideration

Waste treatment methods
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, & international regulations
Sewage Waste Recommendations: Do not dispose of waste into sewer.

14. Transport Information

UN Number
UN/DOT NA: UN1193

UN/DOT Proper Shipping Name:	UN1193, Methyl Ethyl Ketone, 3, PG-II
DOT Hazard Classes:	3 – Class 3 – Flammable & combustible liquid 49 CFR 173.120
Hazard Labels (DOT):	 3 – Flammable liquid
Packing Group (DOT)	II – Medium Danger
In Accordance with IMDG:	
Proper Shipping Name	UN1193, Methyl Ethyl Ketone, 3, PG-II
Hazard Class	3
Identification Number	UN1193
Packaging Group:	II
Label Codes:	3
In Accordance with IATA	
Proper Shipping Name	UN1193, Methyl Ethyl Ketone, 3, PG-II
Packing Group	II
Identification Number	UN1193
Hazard Class	3
Label Codes	3

15. Regulatory Information

US Federal Regulations

Methyl Ethyl Ketone (78-93-3)

SARA Section 311/312 Hazard Classes: Fire Hazard, Acute Health Hazard,
US State Regulations

Methyl Ethyl Ketone (78-93-3)

All product meets requirements of Southern California AQMD RULE 443.1 & similar regulations.
CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

16. Other Information

GHS Full Text Phrases:

Skin Irrit. 2	H315	Causes skin irritation
Flam. Liq.	H225	Highly flammable liquid and vapour.
STOT SE	H336	May cause drowsiness or dizziness.
Eye Irrit 2B	H320	Causes eye irritation
STOT SE 3	H335	May cause respiratory irritation

NFPA 704M ratings:	**Health**	**Flammability**	**Reactivity**	**Other**
	1	2	3	0

HMIS ratings:	**Health**	**Flammability**	**Physical Hazard**	**Personal Protection**
0-Insignificate	1	2	3	
1-Slight				
2-Moderate				
3-High				
4-Extreme				

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Industrial Polymers, Inc. The data on this sheet relates only to the specific material designated herein. Industrial Polymers, Inc assumes no legal responsibility for use or reliance upon this data.