Safety Data Sheet

RAP (Remove All Paint)
Semi – Paste Stripper

Issue Date: October, 2019 **Revision Date:** November, 2019 **Version:** 2.0

1. IDENTIFICATION

Product Identifier
Product Name RAP Remove All Paint (Semi-Paste Stripper)

Other means of identification

UN/ID No n/a

Recommended use of the chemical and restrictions on use
Recommended Use Stripper for cured paint and ink. Use as received

Restrictions on Use n/a

Details of the supplier of the safety data sheet
Supplier Address
Caseway Industrial Products, INC.
3487 Highland Drive
Bay City, MI 48706

Emergency Telephone Number
Emergency Telephone (24 hr) INFOTRAC: 1-352-323-3500 (International) - 1-800-535-5053 (North America)
Contract # 106140 ***Contact manufacturer for all non-emergency call

2. HAZARDS IDENTIFICATION

Appearance Clear colorless liquid **Physical State** Liquid **Odor** Mild, Hydrocarbon

GHS Classification

Flammable Liquids	Category 2
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Reproductive Toxicity	Category 2
Aspiration hazard	Category 1
Acute Aquatic Toxicity	Category 2
Chronic Aquatic Toxicity	Category 2

Hazards Not Otherwise Classified (HNOC)
n/a

Signal Word
Danger

Hazard Statements
H225: Highly flammable liquid and vapor
H304: May be fatal if swallowed or enters airways
H315: Causes skin irritation
H335: May cause respiratory irritation
H336: May cause drowsiness or dizziness
H361: Suspected of damaging fertility or the unborn child
H373: May cause damage to organs (nervous system) through prolonged or repeated exposure
H411: Toxic to aquatic life with long lasting effects.

Symbols (pictograms)

Precautionary Statements - Prevention
P201: Obtain special instructions before use
P202: Do not handle until all safety precautions have been read and understood
P281: Use personal protective equipment as required
P210: Keep away from heat, sparks, open flames, and hot surfaces. – No smoking
P233: Keep container tightly closed
P240: Ground/bond container and receiving equipment
P241: Use explosion proof electrical/ ventilating/ lighting/ equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264: Wash skin thoroughly after handling
P280: Wear protective face/ respiratory/ body/ hand/ eye equipment
P271: Use only outdoors or in a well-ventilated area

Precautionary Statements - Response
P308+P313: If exposed or concerned: Get medical advice/attention
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P313: Get medical attention
P302+P352: IF ON SKIN: Wash with plenty of soap and water
P362+P364: Take off contaminated clothing and wash it before reuse
P332+P313: If skin irritation occurs: Get medical advice/attention
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P330: Rinse mouth

Precautionary Statements - Storage
P405: Store locked up
P403+P233: Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
P501: Dispose of contents/container to an approved waste disposal plant

Notice: Reports have associated repeated and prolonged OVEREXPOSURE to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents of this package may be harmful or fatal.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Toulene	108-88-3	20-30
Mehtyl Ethyl Ketone	78-93-3	40-50
Methanol	67-56-1	20-30

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice Provide this SDS to medical personnel for treatment.

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.

Ingestion Immediately give the person two large glasses of water. Rinse mouth. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical attention immediately.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical, carbon dioxide, halon, or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen, take proper precautions when using these materials.

Flash Point: 25°F (TCC) lowest component

Unsuitable Extinguishing Media Water jet.

Unusual Fire & Explosion Hazards
This material may be ignited by heat, sparks, flames, or other ignition sources (static electricity). Vapors are heavier than air and will collect in low areas (sewers) or travel considerable distances. If containers are not cooled in a fire they may rupture, explode, or ignite. Vapor concentrated in a confined or poorly ventilated area can be ignited upon contact with a high energy spark, flame, or high intensity heat source.

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. Material will float on water, avoid spreading fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in a well-ventilated area. Clean up small spills by using nonflammable absorbent. Contain larger spills with nonflammable diking or absorbent. Clean up by sweeping. Vacuums may cause spark that will ignite material.

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Remove all sources of ignition. The wet contaminated surface may be slippery.
Environmental Precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Contain and collect spillage with non-combustible, non-flammable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite).
Methods for Clean-Up	Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS. Wash spill area with a mild detergent.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear appropriate personal protective equipment. Wash face, hands, and any exposed skin thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use only in well-ventilated areas. Keep containers closed when not in use. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. This product may generate a static charge. Ground/Bond equipment when transferring material to prevent static accumulation. Electrical equipment and circuits in all storage and handling areas must conform to requirements of National Electric Code (Article 500 and 501) for hazardous location.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Protect from damp. Store away from heat, sunlight, and incompatible materials.
Incompatible Materials	Oxidizing agents. Strong bases. Zinc powders. Aluminum powders. Magnesium powders. Potassium. Sodium.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA TWA	NIOSH IDLH
Toluene 108-88-33	100 ppm	100 ppm	n/a
Methyl Ethyl Ketone 78-93-3	200 ppm	200 ppm	n/a
Methanol 67-56-1	200 ppm (skin)	200 ppm (skin) 250 ppm (skin) STEL	n/a

Appropriate engineering controls

Engineering Controls Good ventilation is required. Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Splash goggles or safety glasses.

Skin and Body Protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. Use NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists. The following is the minimum recommended equipment for an occupational exposure level.

For concentrations >1 and <10 times the occupational exposure level: Use air-purifying respirator with full facepiece and organic vapor cartridge(s) or air-purifying full face respirator with organic vapor canister or a full facepiece powered air-purifying respirator fitted with organic vapor cartridges. The air purifying element must have an end of service life indicator, or a documented change out schedule must be established. Otherwise, use supplied air

For concentrations more than 10 times the occupational exposure level and less than the lower of either 100 times the occupational exposure level or the IDLH: Use type C full facepiece supplied-air respirator operated in positive-pressure or continuous-flow mode.

General Hygiene Considerations Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Clear colorless liquid	**Odor**	petroleum
Color	Clear Colorless	**Odor Threshold**	Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	>180°F initial	
Flash Point	25°F min. (TCC)	
Evaporation Rate	>1 (NBA=1)	

Flammability (Solid, Gas)	Not determined
Upper Flammability Limits	n/a
Lower Flammability Limit	n/a
Vapor Pressure	n/a
Vapor Density	>1 (AIR=1)
Specific Gravity	0.815
Water Solubility	n/a
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid
Heat, flames and sparks.

Incompatible Materials
Oxidizing agents.

Hazardous Decomposition Products
Combustion will produce Carbon Monoxide, Carbon Dioxide, and nitrogen-oxygen compounds.

11. TOXICOLOGICAL INFORMATION

Toluene
Toluene contains small amounts of benzene a known carcinogen which may produce blood changes which include reduced platelets, reduced red blood cells, reduced white blood cells, aplastic anemia, and acute nonlymphocytic anemia.
Toluene contains small amounts of Ethylbenzene and Xylene, both have been related to fetotoxicity, liver, and kidney injury. Exposure of pregnant rats during gestation to toluene at levels of 250 ppms or higher has produced some maternal toxicity and embryo/fetotoxicity. A lifetime inhalation study in rats did not show any toxic effects even at high dose of 300ppm. Behavioral signs of hearing loss were observed in rats exposed to toluene sub chronically at levels of 1000ppm or more. Toluene has IARC rating of 3.

Chemical Name: Benzene CAS: < 1.0%
71-43-2
0.5 ppm ACGIH TWA
2.5 ppm ACGIH STEL
1 ppm OSHA PEL
5 ppm OSHA CEILING
10 lbs CERCLA 302.4 RQ

Chemical Name: Benzene, Ethyl <1.0%
CAS: 100-41-4
100 ppm ACGIH TWA
125 ppm ACGIH STEL
100 ppm OSHA PEL
1,000 lbs CERCLA 302.4 RQ

Chemical Name: Xylene, all isomers traces
ACGIH (United States)
TWA: 100ppm 8 hour(s)
STEL: 150 ppm 15 minute(s)
OSHA (United States)
TWA: 100ppm 8 hour(s)

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl Ethyl Ketone	2.7 – 5.6 g/kg (Rat)	5.0 – 13.0 g/kg rabbits	= 5000ppm (Rat) 6 hr
Methanol	6.2 – 12.9 g/kg (Rat)	1.6 g/kg (monkey), 16 g/kg (rabbit)	64000ppm (rat) 4 hr
Toluene	n/a	n/a	n/a

MEK is not genotoxic, not carcinogenic, rats showed potential for fetal toxicity at levels >3000ppm, but no teratogenetic effects.

Methanol

Acute Exposure: Toxicity information on the solution is generally not available. Information on the solution components is listed next.

ORAL LD50: 6.2-12.9 g/kg (rats); practically nontoxic to animals. However, based on human exposure reports, a small amount (usually two or more ounces) can cause mental sluggishness, nausea, and vomiting leasing to severe illness, and may produce adverse effects on vision with possible blindness or death if treatment not received.

Inhalation LC50: 64000ppm (rats, 4hrs); practically nontoxic to animals. Based on human exposure reports, levels substantially above the TLV cause stupor, headache, nausea, dizziness, unconsciousness, and may produce adverse effects on vision.

Skin: Irritating to rabbit skin. Severity depends on the quantity administered and exposed period and is related to the defatting properties of methanol; slightly toxic to animals (minimum lethal dose, monkeys; 1.6g/kg; LD50, rabbits; 16g/kg). based on human exposure reports, prolonged and repeated skin contact with methanol-soaked material has produced toxic effects including vision effects and death.

Eye: Severely irritating to rabbit eyes

Mutagenicity: Methanol- Not genotoxic in most in vitro assays. Not genotoxic in vivo in mice exposed via inhalation up to 4000ppm (6hrs/day for 5 days) and subsequently examined for cytogenetic effects.

Carcinogenicity: Methanol- Inhalation- Not carcinogenic in a lifetime inhalation studies (reported in limited detail) in rats and mice at concentrations of 10-1000ppm. Dermal- Not carcinogenic in mice exposed dermally to 0.02ml/day, 2 days/week over a lifetime in a study of limited quantity

Reproductive/Development Effects: Methanol- In an inhalation developmental toxicity study, rats were exposed 6hrs/day to 5000, 10000, or 20000ppm vapors. A significant teratogenic response.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations for waste that is non-hazardous by federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.
Note that this handling and disposal information may also apply to empty containers, liners, and rinsate.
State or local regulations or restrictions are complex and may differ from Federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste. See section-9 Physical and Chemical properties.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

Paint Related Materials, 3, UN 1263, PGII NAERG#: 128

15. REGULATORY INFORMATION

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains 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 %
Methanol	67-56-1	20-30	n/a
Methyl Ethyl Ketone	78-93-3	40-50	n/a
Toluene	108-88-3	20-30	n/a

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	3	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	2	3	0	Not determined

Issue Date: 30-OCT-2019
Revision Note: New format

Disclaimer

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.

End of Safety Data Sheet