

SAFETY DATA SHEET

REVISION 1/10/2015

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material name Max Pro Citrus Power Ink & Adhesive Remover
Recommended use A solvent degreasing agent designed for removing tar, adhesives, grease, oil and other residues from metal and other hard surfaces.
Version # 01
CAS # Mixture
Part Number IR-003-043
Manufacturer
Supplier Name AVW, Inc
Address PO Box 9962
Fort Lauderdale, FL 33310
Tel: (954) 972-3338

In Case of Emergency

Manufacturer
Company name AVW, Inc
Address PO Box 9962
Fort Lauderdale, FL 33310

2. HAZARDS IDENTIFICATION

Classification F+;R12, Xi;R38, R43, N;R50/53
Risk phrase(s) R12 Extremely flammable.
R38 Irritating to skin.
R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrase(s) S2 Keep out of the reach of children.
S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe gas/fumes/vapor/spray.
S24/25 Avoid contact with skin and eyes.
S36/37 Wear suitable protective clothing and gloves.
S57 Use appropriate container to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Mineral Spirits Regular Stoddard Solvent	8052-41-3	> 60
d-limonene	5989-27-5	10 - < 30
Carbon Dioxide	124-38-9	< 10

4. FIRST AID MEASURES

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists.

Eye contact Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation develops and persists.

Ingestion Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

General advice In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Notes to physician Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Powder. Alcohol resistant foam. Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons Do not use a solid water stream as it may scatter and spread fire.

Special protective equipment for fire-fighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

HAZCHEM code None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Keep unnecessary personnel away. Keep out of low areas. Keep upwind. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. For personal protection, see section 8 of the MSDS.

Environmental precautions Avoid release to the environment. Refer to special instructions/safety data sheets. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Containment procedures Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up Should not be released into the environment. Prevent product from entering drains. Stop the flow of material, if this is without risk. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Isolate area until gas has dispersed. Following product recovery, flush area with water. This material and its container must be disposed of as hazardous waste. For waste disposal, see section 13 of the MSDS.

7. HANDLING AND STORAGE

Handling Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid exposure - obtain special instructions before use. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. When using do not eat or drink. Use appropriate container to avoid environmental contamination. Do not empty into drains.

Storage Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Use appropriate container to avoid environmental contamination. Keep away from food, drink and animal feedingstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm
	TWA	5000 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	100 ppm

Recommended monitoring procedures

Additional exposure data	Not available.
Engineering measures to reduce exposure	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Personal protective equipment	
Respiratory protection	No personal respiratory protective equipment normally required. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.
Hand protection	Chemical resistant gloves are recommended.
Eye protection	Wear safety glasses with side shields (or goggles). Eye wash fountain is recommended.
Skin and body protection	Avoid contact with clothing. Wear suitable protective clothing. Chemical resistant gloves.
General	Use personal protective equipment as required.
Environmental exposure controls	Environmental manager must be informed of all major releases.
Hygiene measures	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid.
Physical state	Gas.
Form	Aerosol.
Color	Clear water-white
Odor	Mild. Citrus.
Odor threshold	Not established
pH	Not applicable
Vapor pressure	< 5 mm Hg @ 20°C
Vapor density	> 1 (air =1)
Boiling point	> 314.6 °F (> 157 °C)
Melting point/Freezing point	Not established
Solubility (water)	Slightly soluble in water
Specific gravity	0.78 - 0.81 @ 20°C
Flash point	104.00 °F (40.00 °C) Tag Closed Cup (dispensed liquid)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
VOC	97.2 % per U.S. State and Federal Consumer Product Regulations
Evaporation rate	0.2 (BuAc =1)
Viscosity	< 3 cSt @ 25°C
Percent volatile	100 %
Partition coefficient (n-octanol/water)	> 1

Other data

Flammability (solid, gas)	Flammable gas.
Heat of combustion	> 30 kJ/g

10. STABILITY AND REACTIVITY

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Avoid temperatures exceeding the flash point.
Hazardous decomposition products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Based on available data, the classification criteria are not met.
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
Chronic toxicity	Prolonged exposure may cause chronic effects.
Sensitization	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity

d-limonene (CAS 5989-27-5)	3 Not classifiable as to carcinogenicity to humans.
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Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductivity	Based on available data, the classification criteria are not met.
Epidemiology	No epidemiological data is available for this product.
Local effects	May irritate eyes and skin. May cause irritation of respiratory tract.
Symptoms and target organs	Irritating to eyes, respiratory system and skin. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic life with long lasting effects.
Persistence and degradability	Not inherently biodegradable.
Mobility	The product is immiscible with water and will spread on the water surface.
Bioaccumulation	
Bioaccumulative potential	
Octanol/water partition coefficient log Kow	
OCX™ (Aerosol)	> 1
d-limonene	4.232
Mineral Spirits Regular Stoddard Solvent	3.16 - 7.15
Environmental effects	Very toxic to aquatic life with long lasting effects.
Aquatic toxicity	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. After recovery of solvent dispose of residue as hazardous waste. Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

ADG

UN number	UN1950
Proper shipping name	Aerosols, flammable
Hazard class	2.1
Marine pollutant	No
Labels required	2.1
Hazard ID	2YE

IATA

UN number UN1950
 Proper shipping name Aerosols, flammable
 Hazard class 2.1
 Labels required 2.1

IMDG

UN number UN1950
 Proper shipping name Aerosols, flammable
 Hazard class 2.1
 Environmental hazards
 Marine pollutant No
 Labels required 2.1

ADG**IATA; IMDG**

HAZCHEM code None

15. REGULATORY INFORMATION

National regulations This Material Safety Data Sheet was prepared in accordance with the Australia National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)

Australia HVIC: Listed substance

Carbon Dioxide (CAS 124-38-9) Listed.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION

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.