Safety Data Sheet

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 1: IDENTIFICATION

SDS Number: S-1011, version 4/20/2018

(a) Product identifier
Gans Item ID: S-1011, S-1011G

Gans Description: Hurst 116 Rubber Rejuvenator

(b) Other means of identification
General description: Lithographic press cleaning solvent

(c) Recommended use
Product Use: Industrial use only
Restrictions on use: Not for residential use.

(d) Supplier's details

Manufacturer: Gans Ink and Supply Co, Inc.
Address: 1441 Boyd Street
Los Angeles, CA 90033
Contact Person: Marco Ramos
Telephone: 323- 264-2200 x139
Email: MSDS@gansink.com

(e) Emergency telephone numbers:
Chemical spill or physical hazard: Contact the Local Emergency Response Agency 9-1-1 or the Local Fire Department
Ingestion or health hazard: Contact the National Capital Poison Center, Poison Control: 800 222-1222; Poison.org

SECTION 2: HAZARD(S) IDENTIFICATION

(a) Classification
This mixture is hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
Physical hazards:
- Flammable Liquid Category 3

Health hazards:
- Skin Irritation – Category 2
- Eye Damage/Irritation – Category 2A
- Germ Cell Mutagenicity – Category 1B
- Carcinogenicity – Category 1B
- Toxic to Reproduction – Category 2
- Specific Target Organ Toxicity, Repeat Exposure – Category 2 (neurologic, inhalation)

- Aspiration Hazard – Category 1

(b) Label elements

Signal Word: Danger

Hazard Statements: Flammable liquid and vapor; Causes skin irritation; Causes serious eye irritation; May cause genetic defects May cause cancer; Suspected of damaging fertility or the unborn child; May cause damage to organs <neurological> through prolonged or repeated exposure <inhalation>; May be fatal if swallowed and enters airways.

Precautionary Statements: Keep away from heat/sparks/open flames/hot surfaces.– No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/ lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe fume/mist/ vapors/spray. Wash all contaminated areas thoroughly after handling.

Prevention:

Response: If exposed or concerned: Get medical advice/attention.
IN CASE OF FIRE: Use CO_2, dry chemical, or foam to extinguish.
IF SWALLOWED: Immediately call a poison center/doctor/… Do NOT induce vomiting.
IF INHALED: Get medical advice/attention if you feel unwell.
IF ON SKIN OR HAIR: Rinse skin with water/shower. Wash with plenty of water and mild soap. If skin irritation occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container to disposal recycling center. Waste management should be in full compliance with federal, state and local laws.

Hazard Pictograms:

(c) Hazards not otherwise classified
None known

(d) Ingredients of unknown acute toxicity
None known

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

TS = Trade Secret (as specified by substance manufacturer)

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
Dichloromethane	75-09-2	30.0%	50.0%
Solvent naphtha (petroleum), light aliph.	64742-89-8	25.0%	40.0%
4-methylpentan-2-one	108-10-1	5.0%	10.0%
Toluene	108-88-3	5.0%	10.0%
Propan-2-ol	67-63-0	1.0%	5.0%
Heptane	142-82-5	0.0%	1.0%
Octane	111-65-9	0.0%	1.0%

SECTION 4: FIRST AID MEASURES

(a) Description of first aid measures:

Ingestion: Immediately call a poison center/doctor/… Do NOT induce vomiting.

Inhalation: Get medical advice/attention if you feel unwell

Skin contact: Rinse skin with water/shower. Wash with plenty of water and mild soap. If skin irritation occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

(b) Most important symptoms and effects, both acute and delayed:

Ingestion: May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child; May be fatal if swallowed and enters airways

Inhalation: May cause damage to organs <neurological> through prolonged or repeated exposure <inhalation>;

Skin contact: Causes skin irritation;

Eye contact: Causes serious eye irritation;

(c) Indication of any immediate medical attention and special treatment needed:

Symptoms such as dizziness, loss of breath, and burning, pain, or irritation eyes, or skin may indicate exposure and the need for first aid.

SECTION 5: FIRE – FIGHTING MEASURES

(a) Extinguishing Media:

Suitable extinguishing media: Use CO_2, dry chemical, or fire-fighting foam extinguishing media

Unsuitable extinguishing media: Do not use water stream. Water stream or spray is OK to cool unopened containers only.

(b) Special hazards arising from the substance or mixture: Vapor is heavier than air, spreads along the ground and distant ignition is possible.

(c) Special protective equipment and precautions for fire-fighters: Wear NIOSH approved self-contained respiratory protective device, and fully protective fire-fighting suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

(a.i) Personal precautions:

Keep away from heat/sparks/open flames/hot surfaces.– No smoking. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe fume/mist/ vapors/spray. Wash all contaminated areas thoroughly after handling.

(a.ii) Protective equipment: Positive pressure, full-face, self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

(a.iii) Emergency procedures: If dangerous conditions exist, contact emergency response personnel, follow emergency procedures, and contact emergency response authorities if necessary.

(b) Methods for containment and cleaning up:

Dike and contain spill. For large spills remove by mechanical means and place in containers. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal.

SECTION 7: HANDLING AND STORAGE

(a) Precautions for safe handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Wear protective gloves, protective clothing, eye protection, face protection.
Do not breathe fume/mist/ vapors/spray. Wash hands and contaminated areas thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/ lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

(b) Conditions for safe storage:

Store locked up. Store in a well-ventilated place. Keep cool. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/ lighting equipment. Use only non-sparking tools.

Incompatibilities: Keep away from strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

(a) Permissible exposure limits		OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH 2015 TVL
Substance	CAS #	ppm	mg/m^3	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
Dichloromethane	75-09-2	No data available	No data available	25 ppm (ST) 125 ppm	Potential occupational carcinogens	50 ppm
Solvent naphtha (petroleum), light aliphatic	64742-89-8	No data available	No data available	No data available	No data available	No data available
4-methylpentan-2-one	108-10-1	100	410	50 ppm (ST) 75 ppm	50 ppm (ST) 75 ppm	20 ppm (ST) 75 ppm

(a) Permissible exposure limits (continued)		OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH 2015 TVL
Substance	CAS #	ppm	mg/m^3	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
Toluene	108-88-3	8-hr. TWA 200 ppm; C 300 ppm; Peak ceiling 8 hr = 500 ppm [10 min]		10 ppm (ST) 150 ppm (C) 500 ppm	100 ppm (ST) 150 ppm	20 ppm
Propan-2-ol	67-63-0	400	980	400 ppm (ST) 500 ppm	400 ppm (ST) 500 ppm	200 ppm (ST) 500 ppm
Heptane	142-82-5	500	2000	400 ppm (ST) 500 ppm	85 ppm (ST) 440 ppm [15-min]	400 ppm (ST) 500 ppm
Octane	111-65-9	500	2300	300 ppm (ST) 375 ppm	75 ppm (ST) 385 ppm [15-min]	300 ppm

(b) Appropriate engineering controls:

Ventilation requirements: Handle only in a place equipped with local exhaust (or other appropriate exhaust). Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

General protective measures: Ensure that eye flushing /eye wash stations, and hand washing areas are accessible.

(c) Personal protective equipment:

Inhalation: Do not breathe fume, mist, vapors, spray. Use only outdoors or in a well-ventilated area. Where fume, mist, vapors, spray is present, an organic vapor full facepiece respirator is recommended (to protect eyes and face as well).

Skin Contact: Wear protective gloves, and protective clothing. Contaminated work clothing must not be allowed out of the workplace. Ansell Chemical Resistance Guide, 8th Edition recommends the following glove materials for similar chemistries: PVA, supported polyvinyl alcohol.

Eye Contact: Wear eye protection, and face protection. Eye and face protective devices must comply with ANSI Z87.1-1989. Recommended eye protection: full face shield.

Ingestion: Avoid eating, drinking, or smoking in work area and wash hands after handling this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

(a) Appearance (physical state, color): Liquid, red, transparent
(b) Odor: Mild chlorinated solvent
(c) Odor threshold: Data not available
(d) pH: NA
(e) Melting point/ freezing point; Data not available
(f) Initial Boiling point / Range: 104-301° F (40-149° C)

(g) Flashpoint: 1010° F (-1.1 °C)
(h) Evaporation Rate (Bu Ac = 1): >1
(i) Flammability (solid/ gas): Data not available
(j) Upper/ lower flammability explosion limits: Data not available
(k) Vapor Pressure (mm Hg @ 68°F): Data not available
(l) Vapor Density (Air = 1): >1
(m) Relative Density (H_2O = 1): .965
(n) Solubility (H_2O): Not soluble
(o) Partition coefficient n- Octanol/ Water: Data not available
(p) Auto-ignition temperature: Data not available
(q) Decomposition temperature: Data not available
(r) Viscosity: Data not available

Other properties
VOC % (wt.): 57.9
VOC: 6.59 lbs./gal; 559 g/L

SECTION 10: STABILITY AND REACTIVITY INFORMATION

(a) Reactivity: Not reactive under normal storage conditions. See Section 7.
(b) Chemical stability: Mixture is chemically stable under normal storage and handling conditions, and under normal temperatures and pressures.
(c) Possibility of hazardous reactions: No data available
(d) Conditions to avoid: Keep away from open flames, sparks, hot surfaces, static discharge, and other sources of ignition.
(e) Incompatible materials: Purified oxygen, nitrogen peroxide, oxidizers, selected amines, strong acids and bases, and reactive metals (aluminum, potassium, sodium, etc.)
(f) Hazardous decomposition product: Thermal decomposition may yield carbon dioxide and/or carbon monoxide, phosgene, or HCl.

SECTION 11: TOXICOLOGICAL INFORMATION

(a) Likely routes of exposure: Skin contact, eye contact, inhalation, and ingestion.

(b) Symptoms related to physical, chemical, and toxicological characteristics:
Skin contact: Causes skin irritation.
Eye contact: Causes serious eye irritation.
Inhalation: May cause damage to organs <neurological> through prolonged or repeated exposure <inhalation>
Ingestion: May be fatal if swallowed and enters airways. May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child;

(c) Delayed and immediate effects, and chronic effects from long-term exposure
May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child;

(d) Numerical measures of toxicity, acute:

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
Dichloromethane	75-09-2	LD50 2000 mg/kg bw (rat)	LC50 (7 h) 49 mg/L air (mouse)	LD50 2000 mg/kg bw (rat)
Solvent naphtha	64742-89-8	LD50 5 000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw

(petroleum), light aliph.				(rabbit)
4-methylpentan-2-one	108-10-1	Data not available	LC50 (4 h) 11.6 mg/L air (rat)	LD0 2000 mg/kg bw (rat)
Substance	**CAS # (TS= trade secret)**	**Oral**	**Inhalation**	**Dermal**
Toluene	108-88-3	LD50 5580 mg/kg bw (rat)	LC50 (4 h) 25.7 - 30 mg/L air (rat)	LD50 5000 mg/kg bw (rabbit)
Propan-2-ol	67-63-0	LD50 5840 mg/kg bw (rat)	LC50 (6 h) 10,000 ppm (rat)	LD50 16.4 mL/kg bw (rabbit)
Heptane	142-82-5	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 29.29 - 73.5 mg/L air (rat)	LD50 2000 mg/kg bw (rabbit)
Octane	111-65-9	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 24.88 mg/L air (rat)	LD50 2000 mg/kg bw (rabbit)

(e) Carcinogens information:

IARC; Group 1 (Carcinogenic to humans), Group 2A (Probably carcinogenic to humans), or Group 2B (Possibly carcinogenic to humans) by IARC:

- Dichloromethane CAS 75-09-2, Group 2A
- 4-methylpentan-2-one CAS 108-10-1, Group 2B

NTP; 13th Report on Carcinogens:

- Dichloromethane CAS 75-09-2

OSHA:

- Methylene Chloride (Dichloromethane CAS 75-09-2)

SECTION 12: ECOLOGICAL INFORMATION

(a) Ecotoxicity

Classification of mixture: Not classified as hazardous

(b) Persistence and degradability: No data available

(c) Bioaccumulative potential: No data available.

(d) Mobility in soil: No data available

(e) Other adverse effects: No known adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local/regional/national regulations. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

RCRA Codes

- Dichloromethane CAS 75-09-2; U080
- 4-methylpentan-2-one CAS 108-10-1: U161
- Toluene CAS 108-88-3: U220

SECTION 14: TRANSPORT INFORMATION

US DOT (Ground):

(a) UN number: UN2810

(b) UN Proper Shipping Name: Toxic, liquids, organic n.o.s. (Dichloromethane, Solvent Naphtha Light Aliphatic) 6.1

(c) Transport hazard class: 6.1

(d) Packing Group: PG III

(e) Environmental hazards: No data available

(f) Transport in bulk

MARPOL 73/78: No data available

IBC: No data available.

(g) Special Precautions: None known

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Section 8(b) Inventory Status: All ingredients of this mixture are listed on the TSCA Inventory

EPCRA, Section 302 – Extremely hazardous substances: This mixture does not contain listed materials.

CERCLA Hazardous Substances:

- Dichloromethane CAS 75-09-2; RQ = 1000
- 4-methylpentan-2-one CAS 108-10-1; RQ = 5000
- Toluene CAS 108-88-3; RQ = 1000

EPCRA Section 313 Toxic Chemicals:

- Dichloromethane CAS 75-09-2
- 4-methylpentan-2-one CAS 108-10-1
- Toluene CAS 108-88-3
- Propan-2-ol CAS 67-63-0

CAA 112(r) Regulated Chemicals for Accidental Release Prevention: This mixture does not contain listed materials.

Hazardous Air Pollutants (HAP): This mixture does not contain listed materials.

U.S. State Regulations

California Proposition 65:

⚠ **WARNING**: This product can expose you to chemicals which are known to the State of California to cause cancer:

- Dichloromethane CAS 75-09-2
- 4-methylpentan-2-one CAS 108-10-1

⚠ **WARNING**: This product can expose you to chemicals which are known to the State of California to cause birth defects or other reproductive harm:

- Toluene CAS 108-88-3 (developmental)

New Jersey Right to Know

- Dichloromethane CAS 75-09-2
- 4-methylpentan-2-one CAS 108-10-1
- Toluene CAS 108-88-3
- Propan-2-ol CAS 67-63-0
- Heptane CAS 142-82-5
- Octane CAS 111-65-9

Oregon DEQ List of Air Toxic Contaminants:

- Dichloromethane CAS 75-09-2
- 4-methylpentan-2-one CAS 108-10-1
- Toluene CAS 108-88-3
- Propan-2-ol CAS 67-63-0

Pennsylvania Right to Know

- Dichloromethane CAS 75-09-2
- 4-methylpentan-2-one CAS 108-10-1

- Toluene CAS 108-88-3
- Propan-2-ol CAS 67-63-0
- Heptane CAS 142-82-5
- Octane CAS 111-65-9

HMIS III

HEALTH	**2**
FLAMMABILITY	**2**
PHYSICAL HAZZARD	**0**

Canadian Environmental Protection Act:
WHMIS Classification: No data available
European Chemical Agency (ECHA): No data available

SECTION 16: OTHER INFORMATION

The information herein is presented in good faith, based on the data available to us and is believed to be correct as of the date hereof. However, Gans Ink and Supply Co., Inc. makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Gans Ink and Supply Co., Inc. assumes no responsibility for any damages of any nature directly or indirectly resulting from the use of or reliance upon the information contained herein. Users must make their own determination as to the suitability of the product for their purpose prior to use. In accordance with good practices of personal cleanliness and hygiene, handle with due care and avoid unnecessary contact with this product.