



SAFETY DATA SHEET

SECTION 1. Identification

Product Identifier: Trade Name: No. 210 Numbering Machine Cleaner and Lubricant
Chemical names, common names: Solvent Blend
Manufacturer's Name: HURST CHEMICAL COMPANY
Address: 2360 Eastman Avenue, Oxnard, CA 93030
For Product Information, call: (800) 723-2004
For Emergency, Call CHEMTREC, 24 Hour: (800) 424-9300
DOT Information: Combustible liquid, n.o.s., combustible liquid
NA 1993, PG III,(contains naphtha, petroleum)173.150

Recommended Use: Cleaner and Lubricant
Restrictions on Use: Not intended for any other use other than the recommended use of this product.
Persons handling and/or using this product should be trained regarding handling and use.

SECTION 2. Hazard(s) Identification

HMIS Health Hazard = 1
HAZARD Flammability = 2
CLASS Reactivity = 0

0 = Least	3 = High
1 = Slight	4= Extreme
2 = Moderate	

Other= Safety glasses, respirator, and gloves
Flash Point: 106°F TCC

Signal Word: Danger

Hazard Statement(s):

- May be fatal if swallowed and enters airways
- Flammable liquid and vapor
- Harmful if inhaled
- Causes skin irritation
- Toxic to aquatic life with long lasting effects

This product may cause eye, skin & digestive tract irritation, central nervous system depression.

Chronic: Visual disturbances (including blindness), convulsions and death.

Unusual fire and explosion hazards: This material is combustible and may be ignited by heat or flame, sparks or static electricity. If container is not properly cooled it may explode in heat of fire. Blends containing chlorinated products may exhibit reduced flash point as the non-volatile chlorinate evaporates.

Pictograms or hazard symbols:



Precautionary statement(s):

Wash affected areas thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces.

Keep container tightly closed.

Use explosion-proof electrical/ventilating/lighting/and other equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Mixture composition and information on ingredients are described in Section 3.

SECTION 3. Composition/ Information on Ingredients

CAS	Chemical	Weight Percent Range
1330-20-7	Xylenes	1-5%
628-63-7	Amyl Acetate	<0.1%
64742-48-9	Naphtha, petroleum, hydrotreated heavy	2-10%
8052-41-3	Stoddard solvent	2-10%
95-63-6	1,2,4-Trimethylbenzene	10-20%
98-82-8	Cumene	1-5%

* Skin

None of the components listed above are considered carcinogens in humans by IARC, NTP, USEPA, or OSHA.

Remaining components are primarily hydrotreated light petroleum distillates (64742-47-8), hydrotreated heavy naphthenic petroleum distillates (CAS 64742-52-5), hydrotreated light naphthenic petroleum distillates (CAS 64742-53-6), and C9-C11 Isoparaffins (CAS 68551-16-6).

SECTION 4. First-Aid Measures

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE

Inhaled: While this material has a low degree of toxicity, breathing, high concentrations of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression may present. Respiratory symptoms associated with pre-existing lung disorders (e.g. asthma-like

condition) may be aggravated by exposure to this material.

Contact with skin or eyes: One or more components of this product is an eye and skin irritant. Direct contact with the liquid or exposure to vapor and mists may cause stinging, tearing, redness and swelling of eyes and redness, burning, drying and cracking of skin.

Absorbed through skin: Contact may result in skin absorption but symptoms of toxicity are not anticipated by this route alone. Under normal conditions of use, persons with pre-existing skin disorders may be more susceptible to the effects of this material.

Swallowed: Ingestion of excessive quantities may cause signs of nervous system depression, irritation of the digestive tract and vomiting, abdominal pain, convulsions, coma, and death.

Aspiration Hazard: One or more components of this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

HEALTH EFFECTS OR RISKS FROM EXPOSURE

Acute: This product may cause eye, skin & digestive tract irritation, central nervous system depression.

Chronic: Visual disturbances (including blindness), convulsions and death.

FIRST AID: EMERGENCY PROCEDURES

Eye contact: Flush eyes immediately with water.

Skin contact: Wash promptly with soap and water.

Inhaled: Remove from exposure to fresh air, apply artificial respiration if necessary.

Swallowed: Seek medical advice. DO NOT give counter agents or induce vomiting.

COMMENT: This material has not been identified as a carcinogen or probable carcinogen by NTP, IARC or OSHA. Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome). Intentional misuse by deliberately concentrating or inhaling this product may be harmful or fatal.

SECTION 5. Fire-fighting Measures

Fire extinguishing materials:

Water Spray: N/A

Carbon Dioxide: Yes

Foam: Yes

Dry Chemical: Yes

Other: No

Special firefighting procedures: The use of SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

Unusual fire and explosion hazards: This material is combustible and may be ignited by heat or

flame, sparks or static electricity. If container is not properly cooled it may explode in heat of fire. Blends containing chlorinated products may exhibit reduced flash point as the non-volatile chlorinate evaporates.

SECTION 6. Accidental Release Measures

Spill response procedures: Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. If spill is indoors, ventilate area of spill. A universal type foam can be used to suppress vapors. Keep spill out of drains, sewers or waterways. Use sand or other inert material to dam and contain spill. Do not flush area with water. For small spills do not flush with water, use absorbent pads. Contact fire authorities and appropriate federal, state, local agencies. If spill in excess of EPA Reportable quantity is made into the environment, immediately notify the National Response Center (Phone NO: 800-424-8802).

Reportable Quantities DOT/CERCLA:

Chemical	RQ
Amyl Acetate	5,000
Cumene	5,000
Xylenes	100

SECTION 7: Handling and Storage

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 8. Exposure Controls/ Personal Protection

CAS	Chemical	ACGIH TLV (ppm)	OSHA PEL (ppm)	OSHA IDLH (ppm)
1330-20-7	Xylenes	100, A4	100	1000
628-63-7	Amyl Acetate	100	100	1000
64742-48-9	Naphtha, petroleum, hydrotreated heavy	100	500	--
8052-41-3	Stoddard solvent	100	500	5000
95-63-6	1,2,4-Trimethylbenzene	25	--	--
98-82-8	Cumene	50+	50+	8000

Ventilation and engineering controls: If current ventilation practices are not adequate to maintain airborne concentration below established exposure limits, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations may be used.

Respiratory Protection: The use of respiratory protection is advised when concentrations exceed the established exposure limits. Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters (NIOSH Approved, if available) or supplied air equipment.

Eye Protection: Use safety goggles where solvent splashes are expected.

Gloves: The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

Other clothing and equipment: It is suggested that a source of clear water be available in work area for flushing eyes and skin. Impervious clothing should be worn as needed

SECTION 9. Physical and Chemical Properties

- Appearance (physical state, color, etc.): Clear pale yellow liquid.
- Upper/lower flammability or explosive limits: Information may not be relevant or is not available.
- Odor: Chlorinated solvent odor.
- Vapor pressure: Information may not be relevant or is not available.
- Odor threshold: Information may not be relevant or is not available.
- Vapor density (air =1): >1
- pH: Information may not be relevant or is not available. Relative density: lb/gal 7.08
- Melting point/freezing point: Information may not be relevant or is not available.
- Solubility(ies): <1% in water
- Initial boiling point and boiling range: n/a °F
- Flash point: 106°F TCC
- Evaporation rate (Bu Ac = 1): >1
- Flammability (solid, gas): Information may not be relevant or is not available.
- Partition coefficient: n-octanol/water: Information may not be relevant or is not available.
- Auto-ignition temperature: Information may not be relevant or is not available.
- Decomposition temperature: Information may not be relevant or is not available.
- Viscosity: Information may not be relevant or is not available.
- Photochemical Reactivity Rule-102: Photochemically Reactive Ingredients 65%vol
- Volatile Organic Content (VOC, EPA Method 24): 678 gm/l or 5.65 lb/gal

SECTION 10. Stability and Reactivity

Reactivity

CLASS / Reactivity=0, 0=Least

Chemical stability

Stable under ordinary conditions of use and storage.

Other

Incompatibility (materials to avoid): Avoid contact with oxygen, nitrogen peroxide, oxidizers, selected amines, strong acids and bases and reactive metals (i.e. aluminum, potassium, sodium, etc.).

Hazardous decomposition products (including combustion products): Carbon dioxide, carbon monoxide, hydrogen chloride and phosgene gases.

Hazardous polymerization: Will not polymerize under ordinary conditions of use and storage.

SECTION 11. Toxicological Information

Routes of exposure (inhalation, ingestion, skin and eye contact are discussed in Section 4. Description of the delayed, immediate, or chronic effects from short- and long-term exposure is discussed in Section 4. Description of the symptoms is discussed in Section 4.

CAS	Chemical	Oral Rat LD50 (mg/kg)
1330-20-7	Xylenes	4300
628-63-7	Amyl Acetate	7400 (rab) IPR
64742-48-9	Naphtha, petroleum, hydrotreated heavy	--
8052-41-3	Stoddard solvent	--
95-63-6	1,2,4-Trimethylbenzene	5000
98-82-8	Cumene	1400

* Skin

None of the components listed above are considered carcinogens in humans by IARC, NTP, USEPA, or OSHA.

Remaining components are primarily hydrotreated light petroleum distillates (64742-47-8), hydrotreated heavy naphthenic petroleum distillates (CAS 64742-52-5), hydrotreated light naphthenic petroleum distillates (CAS 64742-53-6), and C9-C11 Isoparaffins (CAS 68551-16-6).

SECTION 12. Ecological Information

Keep out of sewers, drainage areas, and waterways. Consult appropriate local, county, state, and federal agencies regarding ecological issues. Follow appropriate spill response measures as outlined in Section 6.

SECTION 13 Disposal Considerations

Preparing wastes for disposal: Dispose of product in accordance with local, county, state and federal regulation.

SECTION 14. Transport Information

Transport this product in accordance with local, county, state, and federal regulations.

SECTION 15. Regulatory Information

CAS	Chemical	302	304	CERCLA	355	313	RCRA	CAA212	CAA602	CWA	HAP	Prop65
1330-20-	Xylenes	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No
628-63-7	Amyl Acetate	No	No	Yes	Yes	No	No	No	No	No	No	No
95-63-6	1,2,4- Trimethylbenzene	No	No	No	No	Yes	No	No	No	No	No	No

98-82-8 Cumene No No Yes Yes Yes Yes No No No Yes No

- 302** Section 302 of the Emergency Planning and Community Right-to-Know Act (EPCRA)
 - 304** Section 304 of the Emergency Planning and Community Right-to-Know Act (EPCRA)
 - CERCLA** Comprehensive Environmental Response, Compensation, and Liability Act ("SUPERFUND")
 - 355** The List of Extremely Hazardous Substances Under SARA
 - 313** Toxic Release Inventory (TRI) Reporting Under SARA
 - RCRA** Resource Conservation and Recovery Act
 - CAA212** Clean Air Act Section 212
 - CAA602** Clean Air Act Section 602
 - CWA** Clean Water Act
 - HAP** Hazardous Air Pollutant
 - Prop65** California Proposition 65
- All ingredients are listed under the Toxic Substance Control Act (TSCA).

SECTION 16. Other Information

Date Prepared: *November 1993*
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