NCP® JINX INK®
SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NCP® JINX INK® **CHEMICAL FAMILY:** Ester Ether Family

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:
IDENTIFIED USES: Removes Ball Point Pen Ink Stains, Stamp Pad, Writing, Marking, Duplicating, Felt-Tip pen, Colored Art Inks, and Toner from garments, material and carpets.
ALSO REMOVES: Fingernail Polish, Adhesives, Glue, Lacquers, Paste Shoe Polish, Gum, and Fabric Chalk.

COMPANY IDENTIFICATION:
NEUHAUS CHEMICAL PRODUCTS, INC.
5727 MOBUD
SAN ANTONIO, TEXAS, USA 78238-1820
(210) 684-2411 TELEPHONE (210) 684-2433 FAX

EMERGENCY TELEPHONE NUMBER: INFOTRAC 1-800-535-5053 (USA AND CANADA).

SECTION 2 - HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

GLOBALLY HARMONIZED SYSTEM CLASSIFICATION:

Flammable Liquid – Category 3 [Flash point ≥ 23°C (73°F) and ≤ 60°C (140°F)].
Eye irritation – Category 2B (Mild Irritant – Reversible in 7 days).
Skin Irritation – Category 3 (Mild Irritant – Causes mild skin irritation).

GLOBAL HARMONIZED SYSTEM CLASSIFICATION SCALE: (1 = severe hazard, 4 = slight hazard).

LABEL ELEMENTS:

HAZARD PICTOGRAMS:

SIGNAL WORD: Warning

HAZARD STATEMENTS:

Flammable liquid and vapour. Causes eye irritation. Causes mild skin irritation.

PRECAUTIONARY STATEMENTS:

PREVENTION:
Keep away from heat/sparks/open flames/and hot surfaces. No smoking.
Store in a cool, well-ventilated place.
Wash hands thoroughly after handling.
Take precautionary measures against static discharge.
Keep out of the reach of children.

RESPONSE:
IF INHALED: If symptoms of over-exposure develop, move person to fresh air and keep comfortable for breathing. Call a physician if symptoms do not improve.
IF ON SKIN (OR HAIR): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing for 15 minutes. If eye irritation persists, get medical advice/attention.
IF SWALLOWED: Do NOT induce vomiting. If conscious, give the person two (2) glasses of water. Get medical attention immediately.
IN CASE OF FIRE: Use dry chemical fire extinguishers, carbon dioxide (CO_2), or alcohol-resistant foam for extinction.
DISPOSAL: Dispose of contents and container in accordance with local / regional / national / international regulations.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SYNONYMS: Esther Ether Family.

This product is a mixture.

MATERIAL/COMPONENTS	CAS #	CAS NAME	APPROXIMATE %
Isopropyl Acetate	108-21-4	Isopropyl Acetate	10-25%

As per paragraph (i) 29 CFR 1910.1200, the formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition has been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i). This product is considered non-hazardous and non-restricted. This product is not considered to be a carcinogen.

SECTION 4 - FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES:

GENERAL ADVICE: If exposed or concerned: Consult a physician / doctor if necessary.
INHALATION: If symptoms of overexposure develop, move person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms do not improve.
SKIN CONTACT: Rinse skin with water / shower. If spilled on clothing, remove all contaminated clothing immediately. Wash contaminated clothing before reuse.
EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing for 15 minutes. If pain, irritation, or vision problems persist, see an ophthalmologist immediately. Suitable emergency eye wash facility should be immediately available.
INGESTION: If swallowed, check to see if the person is conscious. If conscious, give the person two (2) glasses of water. Do NOT induce vomiting. Get medical attention immediately. If person is unconscious, do NOT give anything by mouth. Get medical attention immediately.

MOST IMPORTANT SYMPTOMS / EFFECTS, BOTH ACUTE AND DELAYED:
Aside from the information found under “Description of First Aid Measures” (above) and “Indication of Immediate Medical Attention and Special Treatment Needed” (below), any additional important symptoms and effects are described in Section 11: “Toxicology Information”.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
NOTES TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Skin contact may aggravate preexisting dermatitis. Repeated excessive exposure may aggravate preexisting lung disease.

SECTION 5 - FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use dry chemical fire extinguishers, carbon dioxide (CO_2), or alcohol-resistant foam (ATC type) fire extinguishers for extinction. Can use water fog or fine spray.

UNSUITABLE EXTINGUISHING MEDIA: Do not use solid water stream. Straight or direct water streams may not be effective to extinguish fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:
HAZARDOUS COMBUSTION PRODUCTS: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide (CO), carbon dioxide (CO_2).
UNUSUAL FIRE & EXPLOSION HAZARDS: Flammable vapor. Vapors from this product may travel along the ground for some distance and can be ignited by heat, pilot lights, etc., and flash back to the source of vapors.

ADVICE FOR FIREFIGHTERS:
FIRE FIGHTING PROCEDURES: Isolate fire and deny unnecessary entry. Product may be carried across water surface spreading fire or contracting any ignition source.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: If more than a small fire, wear positive pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE:
Eliminate all sources of ignition in the vicinity of spill to avoid fire or explosion. Ventilate area of leak or spill. No smoking in area. Remove immediately all contaminated clothing. Refer to section 7, "Handling", for additional precautionary measures. For additional information, refer to section 8, "Exposure Controls and Personal Protection".

ENVIRONMENTAL PRECAUTIONS: WASTE DISPOSAL: Dispose of waste according to the local / regional / national / international regulations that apply in your location. Treat waste as flammable material, even when absorbed in rags or absorbent.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP: ***FOR SMALL SPILLS OR DRIPS***: Wipe liquid up, or absorb with non-combustible absorbent, such as sand or vermiculite. Place absorbent in a metal container with a tight lid for disposal. ***FOR LARGE SPILLS*:** Absorb liquid with a non-combustible absorbent. Scoop up absorbent and liquid, and place in a metal container with a tight lid for disposal. See Section 13, "Disposal Considerations", for additional information.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wash hands thoroughly after handling. Take precautionary measures against static discharge. Avoid eye contact or prolonged skin contact. Keep out of the reach of children. Treat all chemicals with caution and respect, and always use only as directed.

CONDITIONS FOR SAFE STORAGE:
STORAGE CLASS: General
STORAGE REQUIREMENTS: Store in a cool, well-ventilated place. Keep container sealed when not in use.
PACKAGING MATERIAL: HDPE bottles.
UNSUITABLE PACKAGING MATERIAL: Not determined.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS:

EXPOSURE LIMITS: OSHA Z-1 TWA: 220 mg/m^3 58 ppm **ACGIH TLV-TWA:** 23 ppm **ACGIH STEL:** 46 ppm

EXPOSURE CONTROLS:
ENGINEERING CONTROLS: Normal room ventilation is sufficient for normal conditions of use. For high concentrations of vapors, provide general and/or local exhaust ventilation to control exposure.

INDIVIDUAL PROTECTION MEASURES:
EYE / FACE PROTECTION: Face shield is not needed for normal use; however, safety glasses with side shields or safety goggles are recommended.
SKIN / HAND PROTECTION: None needed in normal use. To protect sensitive or damaged skin, wear neoprene gloves.
RESPIRATORY PROTECTION: None normally needed. For exposure to very high concentrations, wear a NIOSH approved full-face piece respirator with organic vapor cartridges.
OTHER PROTECTIVE EQUIPMENT OR CLOTHING: None needed in normal use. Provide eye bath in case of accidental contact.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, pale yellow liquid
COLOR: Pale yellow
STATE: Liquid
ODOR CHARACTERISTICS: Musty, sweet, fruity odor
pH: 6.0 - 6.65
VISCOSITY: Not Available
SPECIFIC GRAVITY (WATER = 1.0 @ 68ºF): 0.966
VAPOR DENSITY (AIR = 1.0 @ 75ºF): 4.31
VAPOR PRESSURE (mm Hg @ 68°F): 0.96
UPPER FLAMMABLE LIMIT (% BY VOLUME): 8.5
AUTO-IGNITION TEMPERATURE: Not Available

MELTING POINT: -100ºF (-73ºC)
BOILING POINT (760 mm Hg): 253.2ºF (123ºC)
FLASH POINT (METHOD): 100ºF (37.8ºC) CLEVELAND OPEN CUP (D92)
FREEZING POINT: -100ºF (-73ºC)
PERCENT VOLATILITY: Not Available
EVAPORATION RATE (BAc = 1.0 @ 120ºF): 0.4
SOLUBILITY IN WATER (w/w) @ 50ºF: Complete
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not Available
SOLUBILITY IN ACETONE: Not Available
LOWER FLAMMABLE LIMIT (% BY VOLUME): 1.3
DECOMPOSITION TEMPERATURE: Not Available

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY: No data available.
CHEMICAL STABILITY: Stable under recommended storage conditions.
POSSIBILITY OF HAZARDOUS REACTIONS/POLYMERIZATION: Hazardous polymerization will not occur.
CONDITIONS TO AVOID: Heat, sparks, and open flames.
INCOMPATIBLE MATERIALS: Avoid contact with strong acids, strong bases, alkalis, strong oxidizers, and reducing materials.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Decomposition products can include and are not limited to: Carbon monoxide (CO), carbon dioxide (CO_2), aldehydes, ketones, and organic acids.

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:
ACUTE ORAL TOXICITY: Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
LD_{50}, Rat, ≥ 5,950 mg/kg
ACUTE DERMAL TOXICITY: Prolonged skin contact is unlikely to result in absorption of harmful amounts.
LD_{50}, Rabbit, ≥ 10,800 mg/kg
ACUTE INHALATION TOXICITY: No adverse effects are anticipated from single exposure to vapor. In confined or poorly ventilated areas, high concentrations of vapor may cause dizziness and/or drowsiness if using large amounts of this product.
LC_{50}, Rat, female, ≥ 75.9 mg/L 4 hour vapour.

SKIN CORROSION / IRRITATION:
SKIN: Prolonged contact may cause slight skin irritation with local redness. Prolonged or repeated exposure to this product may cause defatting of the skin leading to drying or flaking of skin, and may aggravate existing dermatitis. This product is not known to cause allergies.

SERIOUS EYE DAMAGE / EYE IRRITATION:
EYES: May cause slight temporary eye irritation, discomfort, and redness. Corneal injury is unlikely. Serious/permanent damage is not expected to occur.

SENSITIZATION:
FOR SKIN SENSITIZATION: Did not cause allergic skin reactions when tested in humans or guinea pigs. This product is not known to cause allergies.
FOR RESPIRATORY SENSITIZATION: No adverse effect observed. This product is not known to cause allergies. Inhalation of high concentrations of this product may aggravate pre-existing asthma.

GERM CELL MUTAGENICITY: In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

CARCINOGENICITY: No chemicals in this product are listed by NTP, IARC, OSHA, OR ACGIH as a carcinogen.

REPRODUCTIVE TOXICITY: No information available.

DELAYED AND IMMEDIATE EFFECTS / CHRONIC EFFECTS FROM SHORT-TERM AND LONG-TERM EXPOSURE:

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):
Not expected to cause organ damage from a single exposure.
High concentrations of this product may cause slight dizziness and/or drowsiness.
Route of Exposure: Inhalation
Target Organs: Central Nervous System.

SPECIAL TARGET ORGAN TOXICITY (REPEATED EXPOSURE):
Based on Isopropyl Acetate. Kidney effects have been observed in male rats. However, these effects are believed to be species specific and unlikely to occur in humans.

TERATOGENICITY: Did not cause birth defects or any other fetal effects in laboratory animals.

ASPIRATION HAZARD: Based on physical properties, not likely to be an aspiration hazard.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicological information on this product or its components appear in this section when such data is available.

TOXICITY:
ACUTE TOXICITY TO FISH: Material is practically non-toxic to aquatic organisms on an acute basis.
(LC50/EC50/EL50/LL50 > 100 mg/L in the most sensitive species tested).
ACUTE TOXICITY TO AQUATIC INVERTEBRATES: This product is not classified. Material is readily biodegradability and non-toxic to aquatic organisms on an acute basis. Passes OECD test(s) for ready biodegradability.

CHRONIC AQUATIC TOXICITY: Not classified, based on readily biodegradability and low acute toxicity.

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES: Low acute toxicity to aquatic invertebrates.

TOXICITY TO ALGAE / AQUATIC PLANTS: This material has low toxicity to algae and/or aquatic plants.

TOXICITY TO BACTERIA: EC_{50}, Bacteria, 16 Hour, ≥ 3,670 mg/L.

TOXICITY TO FISH (CHRONIC TOXICITY): No data available.

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES (CHRONIC TOXICITY): Chronic toxicity expected to be low.

PERSISTENCE AND DEGRADABILITY:
BIODEGRADABILITY: Material is readily biodegradable. Passes OECD test(s) for Readily biodegradability. Material is ultimately biodegradable (reaches > 70% mineralization in OECD test(s) for inherent biodegradability).

BIODEGRADATION: 90%
EXPOSURE TIME: 28 days
METHOD: OECD Test Guideline 301E or Equivalent.
10-DAY WINDOW: Pass

BIODEGRADATION: > 90%
EXPOSURE TIME: 5.5 days
METHOD: OECD Test Guideline 302B or Equivalent.

MOBILITY IN SOIL: Potential for mobility in soil is very high (Koc between 0 and 50).
Partition coefficient (Koc): 19 Estimated.

RESULTS OF PBT AND vPvB ASSESSMENT: This product does not contain PBT or vPvB substances.

OTHER ADVERSE EFFECTS: No additional information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL PROCEDURES: For small spills or drips, mop or wipe up and dispose of in DOT approved container. For large spills, absorb with non-combustible material and place residue in DOT approved waste container. All disposal practices must be in compliance with all Federal, State/Provincial and Local laws and regulations. Waste characterizations and compliance with applicable laws are solely the responsibility of the waste generator. For unused & uncontaminated product, the preferred method is to send to a licensed waste management company for disposal.

SECTION 14 - TRANSPORT INFORMATION

UN-NUMBER: Not Regulated.

UN PROPER SHIPPING NAME: Not Regulated.

TRANSPORT HAZARD CLASS(ES): Not Regulated.

PACKING GROUP: As per 173.150 (B) (3) – Packing Group III

ENVIRONMENTAL HAZARD(S): Not Regulated.

SPECIAL PRECAUTION TO USES: See section 7.

SHIPPING DOT CLASSIFICATION: 48580 Sub. 3 Class 55 (COMPOUNDS, CLEANING, LIQUID). Non-Hazardous. Non-Restricted. As stated in 49 CFR, 173.150 (B) (F): This product is shipped in: Limited Quantities and does not have to be labeled as combustible.

WARNING LABELS: None needed as per: 49 CFR, 173.150 (B) (F).

CLASSIFICATION FOR SEA TRANSPORT (IMO-IMDG): Ocean Voyage Commodity #3402.11.0000 .

SECTION 15 - REGULATORY INFORMATION

WORKPLACE CLASSIFICATION: Not Regulated.

SAFETY, HEALTH AND ENVIRONMENTAL REGULATION / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE OF THIS PRODUCT:

This Safety Data Sheet complies with the requirements of 29 CFR § 1910.1200.
This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA) or are exempt from reporting.

CALIFORNIA PROPOSITION 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): This product contains a chemical(s) known to the State of California to cause birth defects or other reproductive harm.

COMPONENT	CAS #	AMOUNT
Ethylene glycol monoethyl ether	110-80-5	< 300 ppm

PENNSYLVANIA REGULATIONS: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

CANADIAN REGULATIONS: This material or all of its components are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

WHMIS INFORMATION: The Canadian Workplace Hazardous Materials Information System (WHMIS) classification for this product is: B2 – Flammable liquid with a flash point of < 37.8°C (100°F).

SECTION 16 - OTHER INFORMATION

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) CLASSIFICATION:

HEALTH (BLUE): 1 - Irritation or minor reversible injury possible. Poses no health hazard, no precautions necessary and would offer no hazard beyond that of ordinary combustible materials.
FLAMMABILITY (RED): 2 - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100°F but below 200°F. (Classes II & IIIA).
PHYSICAL HAZARDS (ORANGE): 0 - Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives.
PERSONAL PROTECTION (WHITE): None

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

HEALTH (BLUE): 1 – Exposure would cause irritation with only minor residual injury.
FLAMMABILITY (RED): 2 – Must be moderately heated or exposed to relatively high ambient temperature before ignition can occur and multiple finely divided suspended solids that do not require heating before ignition can occur. Flash point between 38ºC and 93ºC (100ºF and 200ºF).
INSTABILITY/REACTIVITY (YELLOW): 0 – Normally stable, even under fire exposure conditions, and is not reactive with water.
SPECIAL NOTICE (WHITE): None

This Safety Data Sheet contains the following revisions: Updates made in accordance with implementation of GHS requirements.

DATE OF PREPARATION: 01 June 2015

END OF SDS