

MATERIAL SAFETY DATA SHEET

SECTION 1: Material Identification

Material Name: JJ N C Thinner

Intended use : Industrial spraying finish coat for timber substrate

Manufacturer: Jubilant Agri & Consumer Products Ltd.

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SECTION 2: Composition/Information on Ingredients

| CAS # | Chemical Name | Percent | TLV | symbol |
|------------|--------------------------|---------|-----------------|--------|
| 88917-12-0 | Propylene glycol acetate | 1-2% | Not established | |
| | acetone | 10-25 % | Not established | Xn |
| 123-86-4 | N Butyl acetate | 10-25% | Not established | Xi |
| 71-36-3 | n-butanol | 1-10% | Not established | Xn |
| 108-88-3 | Toluene | 50-100% | Not established | Xn |

SECTION 3: Hazards Identification

*** Emergency Overview ***

Highly Flammable

Haemful by inhalation

Colored liquid. Combustible. May cause eye, skin or respiratory irritation, dizziness, headache, nausea.

Effects of Short-Term Overexposure:

Eyes: Irritation

Skin: Irritation

Inhalation: Irritation, headache, dizziness, nausea

Ingestion: Irritation, nausea

Effects of Chronic Overexposure: ND

Material Exposure Limits: See Section 2 for information on ingredients.

Routes of Entry: Contact, inhalation, ingestion

Target Organs: Eyes, skin, respiratory system, nervous system

Additional Information: Not applicable

SECTION 4: First Aid Measures

Eyes: Immediately flush eyes with plenty of water. Seek medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash with soap and water. Seek medical attention if necessary.

Inhalation: If exposed to excessive levels, remove to fresh air. Seek medical attention if necessary.

Ingestion: Rinse mouth if conscious. Seek medical attention if necessary.

SECTION 5: Fire Fighting Measures

Extinguishing Media: Alcohol resistant foam, carbon dioxide, dry chemical, water spray

Control Measures: Use self-contained breathing apparatus. Use water spray to cool containers.

Unusual Hazards: Closed containers may rupture or explode when exposed to extreme heat.

SECTION 6: Accidental Release Measures

Spills: Use personal protective equipment. Ventilate area. Contain spilled material and soak up with inert absorbant. Collect for disposal.

Releases to the air: Not applicable

SECTION 7: Handling and Storage

Handling: Vapors are heavier than air and may spread along floors. Avoid personal contact. Use with adequate ventilation.

Storage requirements: Observe label precaution .Keep container closed and upright. Do not store above 50 deg C

SECTION 8: Exposure Controls and Personal Protection

Protective equipment:*

Eyes: Safety glasses or chemical goggles

Skin: Impervious gloves should be worn to prevent prolonged or repeated skin contact

Respiratory: A NIOSH/MSHA approved air-purifying respirator if exposure limits exceeded

Ventilation: Good general ventilation should be sufficient to control airborne levels.

Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Additional information: None

*Protective equipment should be determined by conditions of exposure.

| Occupational Exposure Limits – expressed as milligrams/cubic metre. | | | | |
|---|--|----------|-------------|-------|
| Substance | V-vapor I- inhalable dust, R-respirable dust | 8 hr TWA | 10 min STEL | Notes |
| Toluene | V | 188 | 560 | |
| Xylene | V | 435 | 650 | |
| butanol | V | | 150 | |
| N butyl acetate | V | 710 | 950 | |
| Inhalable dust | I | 10 | | |
| Respirable dust | R | 5 | | |
| Acetone | V | 1780 | 3560 | |

SECTION 9: Physical and Chemical Properties

Appearance : liquid

Specific gravity (water = 1): 0.85-0.90

Melting/freezing point: ND

Low explosion limit : 0.8 %

VOC: <900 grams/liter

Vapor pressure: ND

Flash Point : Less than 21 deg C

Vapor density (air = 1): > 1.0

Evaporation rate (n-Butyl acetate = 1): < 1.0

pH: ND

Solubility in water: Immiscible with water

SECTION 10: Stability and Reactivity

Stability: Stable under recommended storage & handling

Keep away from oxidizing agents, alkali & acids.

Hazardous decomposition products: carbon monoxide, carbon dioxide & oxides of nitrogen

Unusual hazards: Not applicable

SECTION 11: Toxicological Information

No data available on product itself ,however :-

Exposure to organic vapors may result in adverse health effects on mucous membrane, respiratory system ,renal and central nervous systems. Symptoms include headache ,dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

Repeated or prolonged contact may result in non-allergic contact dermatitis and absorption through skin.

SECTION 12: Ecological Information

Do not allow to enter drains or water courses.

SECTION 13: Disposal Procedures

Material and containers should be disposed in accordance with local, state and federal regulations.

Empty Container Warning: 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.** Do not attempt to clean since residue is difficult to remove. Empty containers should be completely drained and properly disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 14: Transportation Information

Not regulated by IATA

SECTION 15: Regulatory Information

Classified and labelled for supply as :

HEALTH : Xn Harmful

PHYSIO CHEMICAL : F Highly Flammable

R11 : Highly flammable

R 20 : Harmful by inhalation

S23 C : Do not breathe vapor or spray mist

S 16 : Keep away from source of ignition

S 29 : Do not empty in to drains

S42 : During spraying wear suitable respiratory equipment.

S43a: In case of fire use alcohol resistant foam, carbon dioxide, dry chemical, water spray

SECTION 16: Other Information

Do not use for purpose other than those shown in sec 1 without referring to supplier.

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