



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

No. MSDS : MSDS - 240
Revision : 00
Effective Date : Juli 11, 2008

Product name : **NC CLEAR G 20**
Code : **NTC-0920-00**
Product use : Top Coat
Product Description : **NTC-0920-00** is the solvent volatile type clear paint mainly based on nitrocellulose, alkyd resin and plasticizer. It has good physical properties such as quick drying, hardness, and water, chemical and weather resistance. It's suitable for the finishing coat of high quality wood furniture. We produce general type for wood and top coat finishing according to their uses.
Manufacture's Name : PT WARNATAMA CEMERLANG
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2. PRODUCT COMPOSITION

INGREDIENT INFORMATION	CAS #
Nitrocellulose	9004-70-0
Methyl Benzene	108-88-3
N-Butyl Acetate	123-86-4
Ethylene Glycol	111-76-2
n-Butanol	71-36-3
Alkyd Resin	6318-69-6
Dispersing Agent	-
Silica Dioxide	7631-86-9
Plasticizer	-
Defoamer	-
Levelling Agent	-

3. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Semi Transparent Clear
- Color : Natural
- Solubility : Not Soluble in Water
- Solid content : 30 ± 2 %
- Specific gravity : 0.95 ± 0.02 g/cc
- Viscosity KU : 70 ± 2 KU
- Mixing ratio (B: Th) : 1 : 1
- Application Viscosity NK2 : 10 sec
- Gloss : 30 - 40 %
- Thinner : Lacquer Thinner ST (NLT-030-ST)



MATERIAL SAFETY DATA SHEET

4. HAZARD IDENTIFICATION

- **HEALTH EFFECTS**
Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.
- **ENVIRONMENTAL EFFECT**
On the basis of available information, this product is not expected to produce any significant adverse environmental effect when recommended use instruction are followed.
- **FIRE HAZARDS**
Flammable liquid.

5. FIRST AID MEASURES

- **INHALATION**
Remove affected person to fresh air and keep at rest. If breathing is irregularly or stopped, administer artificial respiration. Obtain medical advice immediately.
- **EYE CONTACT**
Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.
- **SKIN CONTACT**
Remove contaminated clothing. Wash skin thoroughly with soap and water. Do not use solvents or thinner. If irritation persists, seek medical attention.
- **INGESTION**
Give two glasses of water for dilution; seek medical attention.

6. FIRE FIGHTING MEASURES

- **EXTINGUISHING MEDIA**
Carbon dioxide, water fog, dry chemical, chemical foam.
- **FIRE FIGHTING PROCEDURES**
Self - contained respiratory equipment; cool containers to prevent pressure buildup and explosion when exposed to extreme heat.
- **HAZARDOUS COMBUSTION PRODUCTS**
Smoke, fumes, oxides of carbon.

7. ACCIDENTAL RELEASE MEASURES

STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION – FLAMMABLE - Evacuate and ventilate area; confine and absorb into absorbent; place material into approved containers for disposal; do not discharge into lakes, ponds, streams, or public waters.

8. HANDLING AND STORAGE

- **HANDLING**
The product should be handled in a well – ventilated area. Keep container tightly closed. Isolated from sources of heat, sparks and open flame. Smoking, eating and drinking should be prohibited in application area. For personal protection see section 8. Never use pressure to empty: container is not a pressure vessel.
- **STORAGE**
Storage in closed container away from sources of heat in a well ventilated area.



MATERIAL SAFETY DATA SHEET

9. PERSONAL PROTECTION

- **RESPIRATORY PROTECTION**
Wear suitable respiratory protection if exposure limits may be exceeded. Airline respirator or cartridge respirator with appropriate filter.
- **HAND PROTECTION**
Wear impermeable gloves.
- **EYE PROTECTION**
Use safety eyewear designed to protect against splash of liquid (goggles)
- **SKIN PROTECTION**
Wear suitable protective clothing.

10. STABILITY AND REACTIVITY

This preparation contains materials which are unstable under following condition ; exposure to heat (above 40 °C), strong UV-sources, free radical initiators, peroxides, strong alkalis or reactive metals. These could cause the product to polymerise exothermially. Unintentional contact with them should be avoid.

11. TOXICOLOGY INFORMATION

Acute oral toxicity	: N/A
Irritant effect to skin	: N/A
Irritant effect to eyes	: Irritant

12. ECOLOGICAL INFORMATION

There is no data available on the preparation it self. Based on the chemical composition of the product is assumed that the mixture can be treated in an acclimated biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in the mixture are classified as Marine Pollutant.

13. DISPOSAL CONSIDERATIONS

Do not allow me drains of water courses. Wastes and emptied containers should be disposed of according to local regulation. Do not flush to sanitary sewer or waterway.

14. TRANSPORT INFORMATION

Road transport ADR/ RID	: Non-hazardous goods
Marine transport	: Non-hazardous goods
Air transport	: Non-hazardous goods

15. REGULATORY INFORMATION

Hazards warning labeling not compulsory

16. OTHERS INFORMATION

This information is based on our present states knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for – a particular application.



PT. WARNATAMA CEMERLANG
SPECIALTY PAINT AND THINNER

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