



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : **NAX CRYSTAL 9905 MIRROR IMAGE CLEAR 2K**
Intended use : Automotive Refinishing Product
Manufacture :
Company name: NIPPON PAINT(Thailand) CO.,LTD
Address : 101 MOO 3 SOI SUKSAWAT 76,SUKSAWAT ROAD,
T.BANGCHAK A.PRAPRADAENG,SAMUTPRAKARN 10130
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration (%)</u>
BUTYL ACETATE	123-86-4	40 - 45
METHYL-N-AMYL KETONE	110-43-0	5 - 10
METHYL ETHYL KETONE	78-93-3	5 - 10
ETHYL-3-ETHOXY PROPIONATE	763-69-9	5 - 10
ACRYLIC RESIN	NOT ASSIGNED	45 - 50

3. HAZARDS IDENTIFICATION

Hazard Symbols



Signal Words **WARNING**

Hazard statements

- Flammable liquid and vapor(Category 3)
- Harmful if swallowed (Category 4)
- Causes skin irritation(Category 2)
- Causes serious eye irritation(Category 2A)
- May cause damage to Central Nervous System through prolonged or repeated exposure(Category 2)
- Toxic to aquatic life(Category 2)

4. FIRST-AID MEASURES



- IF SKIN CONTACT : Remove contaminated clothing immediately and Wash off with plenty of water.
If skin irritation : Get medical advice/attention.
- 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.
- IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/ physician if you feel unwell.
Get medical advice/attention if you feel unwell.
- IF SWALLOWED : Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Do NOT use water jet.

Use water spray or dry chemicals.

Keep adjacent receptacles cool with copious quantities of water.

suitable fire-extinguishing media

water fog. CO₂ foam dry chemicals dry sand

Note : Fire will produce dense black smoke.

Decomposition products may be hazardous to health.

Avoid exposure and use breathing apparatus as appropriate.

Cool closed containers exposed to fire by spraying them with water.

Do not allow run off water and contaminants from fire fighting to enter drains or watercourses.

6. ACCIDENTAL RELEASE MEASURES

Avoid all sources of ignition (e.g.naked lights, unprotected light bulbs, electric handtools).

Ventilate the area and avoid breathing vapors.

Wear protective clothing and self-contained breathing apparatus when dealing with spillage or fire.

Collect spillage, where practicable, for safe disposal.

Should be disposed of wastes and empty containers in accordance with regulations made under the control of pollution acts and the environmental protection acts.

Collect spillage, where practicable, using absorbent material, and dispose of spillage on the floor in a safe manner.

Keep away from drains, surface-and ground-water and soil.

Do not allow spills to enter drains or water courses.

7. HANDLING AND STORAGE



Store in a well-ventilated place.
Keep container tightly closed. Store locked up.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash thoroughly after handling.
Storage temperature : Store below 40 deg.C. (104deg.F.)

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Wear protective gloves/eye protection/face protection.

Exposure limit :

<u>Ingredient Name</u>	<u>ACGIH</u>		<u>OSHA</u>	
	TWA	STEL	TWA	STEL
BUTYL ACETATE	150 ppm	200 ppm	150 ppm	200 ppm
METHYL AMYL KETONE	50 ppm	-	100 ppm	-
ETHYL-3-ETHOXY PROPIONATE	50 ppm	-	-	-

Personal protection :

- Respiratory protection : Wear NIOSH-Approved appropriate equipment.
Hand protection : Wear impervious gloves.
Eye protection : Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.
Skin protection : Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.
Environmental exposure : Do NOT let this product enter the environment control

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Clear liquid
Color	: colorless
Odor	: Solvent odor
Boiling point (range)	: 135 - 240°C
Flash point	: 28 °C
Lower explosion limit	: 1.70% (n-Butyl acetate)
Upper explosion limit	: 7.60% (n-Butyl acetate)
Specific density	: 0.99 to 1.01 / 25 °C
Vapor density	: Heavier than air
Solubility in water	: none or poor in water
Volatile volume	: 57 %

10. STABILITY AND REACTIVITY



- Stability : Stable under recommended storage and handling conditions (see section 7). When exposed to high temperature, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.
- Hazardous reaction : Hazardous reaction will not occur.
- Condition to avoid : Avoid heating temperatures above 30 deg.C.
- Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid possible exothermic reactions.
- Hazardous decomposition products : The products decomposed on heating producing their oxide or monomers.

11. TOXICOLOGICAL INFORMATION

There are no data available on the product itself.

Toxicological information of ingredients :

acute toxicity :

LD₅₀(oral, rat)=1570(mg/kg)

LD₅₀(dermal, rabbit)=7240(mg/kg)

LD₅₀(inhale, rat)=31.7(mg/L)

12. ECOLOGICAL INFORMATION

acute toxicity :

Fish : L(E)C 50 > 100 mg/L

Crustacea : L(E)C 50 > 100 mg/L

Algae : L(E)C 50 > 100 mg/L

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance.

Do not allow to enter drains or water courses.

Residues in empty containers should be neutralized with a decontaminant (see section 6)

Dispose according to all federal, state and local applicable legislations

Waste disposal (Product) : Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
The product is not regarded as hazardous waste.
When disposed of as waste the product is classified as waste isocyanates

Waste disposal (packaging) : Triple-rinse drums prior to offering for recycle.



14. TRANSPORT INFORMATION

UN regulation shipping name : PAINT (including paing, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

UN/ID No. : 1263

Class : 3

Packing group : III

IMDG CODE : class 3.2 Intermediate flashpoint group.

15. REGULATORY INFORMATION

Information related to VOC (for product as sup :
% Volume Solids : ~ 47%
Volatile halogenated substances labeled with R40 : Not applicable
Volatile content of the ready-for-use product : ~ 483 g/L
Please refer to other regulatory information as per local legal requirements.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with local regulations (Kingdom of Thailand).
The information contained herein does not relieve the users from obligation to carry out their own risk assessment according to their local requirements.

Some of the risk warning for components listed in Sect Harmful

Highly flammable
Dangerous for the environment
Irritant

General Us: Clear Coat (Automotive Refinish & Industrial Applications).

Restricted to professional users.

HMIS Health Hazard: 2 HMIS Reactivity: 1

HMIS Fire Hazard: 3 HMIS PPE Code: H

REFERENCE : 1. United States National Library of Medicine: ChemIDplus Lite (ID PLUS)

<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CHEM>

2. New Jersey Department of Health (DOH)

<http://web.doh.state.nj.us/rtkhsfs/qrsearch.aspx>.

3. International Uniform Chemical Information Database (IUCLID)

<http://ecb.jrc.ec.europa.eu/esis/index.php?PGM=dat>

4. SIGMA-ALDRICH

<http://www.sigmaaldrich.com/MSDS/MSDS/DisplayMSDSPage.do?>

5. CHEMTRACK

<http://www.chemtrack.org/Chem-Result.asp>
