

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

<b>PRODUCT NAME</b>	TURBO Isopropanol alcohol
<b>MANUFACTURER</b>	Turbo Paint, NDW Chemical Co., Ltd.
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<b>ADDRESS</b>	87/1 Moo 11 Thanasit, Theparak Rd., Bangplee, Samutprakarn 10540 Thailand

**SECTION 2 – INFORMATION ON INGREDIENTS**

NAME	CAS No.	UN No.	%	RISK PHRASES
Isopropanol alcohol	67-63-0		100	

**SECTION 3 – HARZARDS IDENTIFICATION**

Flammable  
Irritating to eyes and skin.  
May cause sensitization by skin contact.  
Harmful by inhalation and in contact with skin.

**SECTION 4 – FIRST AID MEASURES**

<b>Eye Contact</b>	Flush with water immediately for 15 minutes. Consult a physician.
<b>Skin Contact</b>	Flush skin with plenty of water while removing contaminated clothing and shoes. Launder clothing before reuse. If rash or irritation develops, consult a physician.
<b>Inhalation</b>	Remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.
<b>Ingestion</b>	If swallowed do not induce vomiting. Seek immediate medical attention.

**SECTION 5 – FIRE AND EXPLOSION HAZARD DATA**

- Extinguishing Media** Recommended: alcohol resistant foam, CO2, powders, water spray.
- Recommendations** Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Personal Precautions** Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
- Spill** Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

## SECTION 7 – HANDLING AND STORAGE

- Handling** Do not get in eyes, on skin, or on clothing. Keep container tightly closed when not in use. Wear personal protection equipment. Do not breathe vapors. Wash thoroughly after handling. If pouring or transferring materials, ground all containers and tools. Do not weld, heat, cut or drill on full or empty containers. Avoid breathing vapors or spray mist.
- Storage** Keep away from heat, sparks, open flames and oxidizing agents. Keep containers closed. Store in a cool, dry place with adequate ventilation.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering Measures** Provide forced air ventilation when applying in confined spaces.
- Respiratory Protection** Unlikely to be necessary. Use approved chemical filter respirator.
- Eyes** Safety glasses or chemical eye goggles are suggested.

**Hands** Non-natural, non-butyl rubber gloves are recommended.

**Skin** Use protective clothing. Remove contaminated clothing and wash the affected with soap and water.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** Liquid

**Color** Clear

**Odor** Alcohol odor

**Specific Gravity** 0.785

**Viscosity** -

**Solubility in Water** Soluble

**Melting Point** -89.5 C (-129.1 F)

**Boiling Point** 82 C (180 F)

**Flash Point** 12 C (53.6 F)

**Solubility in Water** Soluble

## SECTION 10 – STABILITY AND REACTIVITY

**Stability** Stable under recommended storage and handling conditions (see section 7).

**Hazardous Decomposition Products** carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

**Strong exothermic reactions** oxidizing agents, strong alkalis, strong acids.

## SECTION 11 – TOXICOLOGICAL INFORMATION

Not Available

## SECTION 12 – ECOLOGICAL INFORMATION

Prolonged or repeated contact may cause chronic dermatitis. Appreciable evaporation to air is expected in the environment.

## SECTION 13 – DISPOSAL CONSIDERATIONS

### Method of disposal

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14 – TRANSPORT INFORMATION

Proper shipping name ISOPROPANOL  
Packing Group II  
Hazard Class -  
UN No. 1219

## SECTION 15 – REGULATORY INFORMATION

Highly flammable  
Harmful by inhalation, in contact with skin and if swallowed  
Irritating to eye and skin  
Keep out of reach of children  
Keep away from sources of ignition – No Smoking  
Do not breathe gas/fumes/vapour/spray  
Avoid contact with skin and eyes  
Wear suitable protective clothing, gloves and eye/face protection

## SECTION 16 – OTHER INFORMATION

This document could not be used for certifying the quality of the product.

This document presents the information of the product and to be used for safety only.

**Remark** The above information and data given here is based on test, experiences that



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# MATERIAL SAFETY DATA SHEET

TURBO Isopropanol alcohol

are considered reliable and believed to be accurate. For more information, please contact R&D department of NDW Co., Ltd.