

Report No. NB20180919296

Date: September 25, 2018

Page: 1/9

Applicant Name : SHANDONG YUEAN CHEMICAL INDUSTRY CO.,LTD.

Applicant Address : SHANGHAI ROAD, HEZE DEVELOPMENT ZONE, SHANDONG
PROVINCE, CHINA


Product Name : Propane

Received Date : September 19, 2018

Compilation Period : September 19, 2018 to September 25, 2018

Regulatory Requirements : As requested by the applicant, the Safety Data Sheet is prepared according to EU CLP Regulation (EC) .

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by: 
Manager



This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample (s) tested.

No.1, 8/F, Shengfeng Road, Venture Industrial Park, Xinhe Community, Wanjiang District, Dongguan City, China

Tel : 400-877-6107

Website : www.nbts.cn

Fax : 0769-22777508

E-mail : newbest@nbts.cn

SECTION 1. Identification of the substance/preparation and company

1.1 Product Identification	:	Propane
1.2 Model No.	:	R290
1.3 Recommended Use	:	/
1.4 Manufacturer Name	:	SHANDONG YUEAN CHEMICAL INDUSTRY CO.,LTD.
1.5 Manufacturer Address	:	SHANGHAI ROAD, HEZE DEVELOPMENT ZONE, SHANDONG PROVINCE, CHINA
1.6 Manufacturer Tel	:	0530-5333890
1.7 Manufacturer Fax	:	0530-5966185
1.8 Manufacturer Email	:	/
1.9 Emergency Phone	:	吕峰飞 0530-5725266

SECTION 2. Hazards identifications

2.1 Hazard Class:

According to EU regulation No 1272/2008(CLP), classification of risk categories.

Flammable gas, category 1A

High pressure gas, compressed gas

2.2 Pictograms:



2.3 Signal word:

Danger

2.4 Hazard description:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

2.5 Precautionary description:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

SECTION 3. Composition / information on ingredients

Ingredient(s) of the product: Mixture

Substance name	Conc. (%)	CAS. No	EC No
Propane	100%	74-98-6	200-827-9

SECTION 4. First aid measures

General advice: Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

4.1 Following inhalation:

If feeling uncomfortable, victim should be moved into fresh air. Seek medical attention.

4.2 Following skin contact:

Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feeling uncomfortable.

4.3 Following eye contact:

In case of contact may cause irritation, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician immediately if eyes are hurt.

4.4 Following ingestion:

If it is ingested, Seek medical attention.

SECTION 5. Firefighting measures

5.1 Hazardous Characteristics:

Liquid and vapour are flammable.

Will form explosive mixtures with air.

Containers exposed to fire may release the contents through pressure relief valves thereby increasing fire intensity and/ or vapour concentration.

Vapours may travel to source of ignition and flash back.

5.2 Extinguishing Media:

Dry powder, Chemical foam, Carbon dioxide, water mist.

5.3 Firefighting procedures:

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

Extinguish fire in a safe distance with enough protection

5.4 Hazardous combustion products:

Carbon monoxide

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective measures (SEE SECTION 8).

Beware of vapours accumulating to form explosive concentrations.

Vapours can accumulate in low areas.

Ensure adequate ventilation.

Remove all sources of ignition.

Evacuate personnel to safe areas. Keep people away from upwind of spill/leak.

6.2 Environmental precautions:

Discharge into the environment must be avoided.

6.3 Cleaning method:

Strengthen ventilated.

SECTION 7. Safe handling and storage

7.1 Handling Notes:

Keep indoor ventilation or local exhaust device.

Stay away from heat and direct sunlight.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2 Storage Notes:

Stored in cool and dry condition

Store in a well-ventilated place.

Do not store with incompatible material (see section 10.2)

SECTION 8. Exposure controls / personal protection

8.1 Occupational Exposure Limit:



Substance	Country/Region	Occupational exposure limit (8h)		Occupational exposure limit (short time)	
		ppm	mg/m ³	ppm	mg/m ³
Propane	US-OSHA	1000	1800	/	/
	Germany(AGS)	1000	1800	4000	7200

8.2 Engineering Control:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Ensure that eyewash stations and safety showers are proximal to the work-station location.

8.3 Personal Protection:

General requirement:	 
Respiratory:	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Eyes :	Wear protective goggle (Conform to EC EN 166 or US-NIOSH).
Hands :	Wear antifreeze gloves.

8.4 Sanitary Measure:

Forbid smoking, eating and drinking in working places. Washing hands after handling products.

SECTION 9. Physical and chemical properties

Appearance and Color	Gas in tank
Odour	Odorless

PH value	Not Applicable
Flammability	Combustible
Density	(gas)1.83kg/m ³
Relative steam density (air = 1)	No Data
Vapor pressure(MPa)	No Data
Octanol/water partition coefficient	No Data
Viscosity	Not Applicable
Flash point(°C,Closed cup)	-104
Boiling point(°C)	-42
Melting point (°C)	-189.7
Evaporation rate (kg/s)	No Data
UEL %(V/V)	9.5
LEL %(V/V)	2.1
Auto-ignition temperature(°C)	No Data
Decomposition temperature(°C)	No Data
Solubility	Slightly soluble in water

SECTION 10. Stability and reactivity

10.1 Stability:

Inflammable.

10.2 Material for avoiding:

Strong oxide, acid, alkali, naked light.

10.3 Contact conditions for avoiding:

Sunlight, high temperature.

10.4 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. Toxicological information

11.1 Acute toxicity:

Based on available data, the classification criteria are not met.

11.2 Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

11.3 Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

11.4 Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

11.5 Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

11.6 Carcinogenicity:

Based on available data, the classification criteria are not met.

11.7 Reproductive toxicity:

Based on available data, the classification criteria are not met.

11.8 STOT-single exposure:

Based on available data, the classification criteria are not met.

11.9 STOT-repeated exposure:

Based on available data, the classification criteria are not met.

11.10 Aspiration hazard.:

Based on available data, the classification criteria are not met.

SECTION 12. Ecological information

12.1 Toxicity:

No data available.

12.2 Persistence and degradability:

No data available.

12.3 Bioaccumulative potential:

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample (s) tested.

No.1, 8/F, Shengfeng Road, Venture Industrial Park, Xinhe Community, Wanjiang District, Dongguan City, China

Tel : 400-877-6107

Website : www.nbts.cn

Fax : 0769-22777508

E-mail : newbest@nbts.cn

Report No. NB20180919296

Date: September 25, 2018

Page: 8/9

No data available.

12.4 Mobility in soil

No data available.

12.5 Other Dangers:

No data available.

SECTION 13. Disposal considerations


13.1 Handling method for waste:

Handling waste according to the local regulations. Contact specific waste disposal company or companies recommended by local laws.

13.2 Handling method for uncleaned packaging

Must empty packaging and dispose with official regulations
Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

SECTION 14. Transport information

Packaging Label	
UN NO	1978
Technical name	Propane
Transport hazard class	2.1
Subsidiary hazard class	None
Packing group	Not Applicable
Packing instruction:	P200

SECTION 15. Regulatory information

Hazardous chemicals catalog
Dangerous Goods Number Of United Nations
Classification and code of dangerous goods
Occupational Safety and Health Act (OSHA)
The principle of classification of transport packaging groups of dangerous goods
In accordance with all local laws.

SECTION 16. Other information

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use, this information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

***** END *****