

Raffinate 1

PRODUCTION:

Raffinate 1 (petroleum gas, butane-butene raffinate) is the remain of C4-fraction after the extraction of 1,3-butadiene.

DESCRIPTION:

Raffinate 1 is the hydrocarbon (butane-butene) gas mixture. It is extremely flammable, colorless gas, with slight aromatic odor.

SPECIFIED PROPERTIES:

No.	CHARACTERISTIC	METHOD	UNIT	VALUE
1.	C ₃ hydrocarbons	ASTM D 2593	% wt	max 1
2.	Total butanes	ASTM D 2593	% wt	3-12
3.	Total butenes (1-butene ,trans-2-butene and cis-2-butene)	ASTM D 2593	% wt	28-57
4.	Isobutene	ASTM D 2593	% wt	40-60
5.	1,3-butadiene	ASTM D 2593	% wt	max 0,1
6.	C ₅ hydrocarbons	ASTM D 2593	% wt	min 0,05
7.	Total sulphur	ASTM D 3246	ppm	max 5
8.	Water	ASTM E 203	ppm	300

The values given in the table used only as information.

APPLICATION:

Raffinate 1 is used as a raw material for isobutene production. Isobutene with methanol is used in MTBE production (methyl tertiary buthyl ether).



PETROHEMIJA

BASIC PRODUCTS

STORAGE:

Raffinate 1 is stored and kept in a standing, spherical storage tank for liquefied petroleum gas. The pressure in the reservoir is maintained at the defined values, and in the case of the pressure increase, safety valves react. For the purpose of preventing from the heating, under the influence of sunlight, the reservoir has a sprinkling system.

TRANSPORTATION:

Raffinate 1 is transported by tank cars. Each delivery is accompanied by the appropriate documents (bill of lading, test report, list of security measurements data, delivery note).

REACH:

HIP-Petrohemija with applying the existing standards ISO 9001, ISO 14001, ISO 45001 and ISO 50001 follows completely the highest standards by which there are regulated human health and safety protection and environmental protection, and herewith expresses its intention to meet all the requirements which are prescribed by REACH regulation.

Registration of all the substances of potential export interest has been made with European Agency for Chemicals in Helsinki, in accordance with the prescribed deadlines, therefore in this way it enables further undisturbed placement and sale of HIP-Petrohemija's products without any limits at EU Market.

As the only representative for HIP-Petrohemija in EU, pursuant to Article 8. of REACH regulation, there has been designated REACHLaw ltd., Finland.

CONTACT:

Sale:

T: +381 13 307 216

F: +381 13 351 407

E: olefins.sales@hip-petrohemija.rs

Technical information:

T: +381 13 307 097

F: +381 13 313 806

E: lab@hip-petrohemija.rs