

	HEALTH HAZARDS		ENVIRONMENTAL HAZARDS		Phys Chem HAZARDS	
Substance Name	EU DSD Classification	EU-CLP Classification	EU DSD Classification	EU-CLP Classification	EU DSD Classification	EU-CLP Classification
<b>CATEGORY 1: C9 Aromatics</b>						
Hydrocarbons, C9, aromatics	R37-65-66-67	Aspiration Cat 1 STOT SE Cat 3 (resp irr + narcosis) [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R10	Flam Liq 3
<b>CATEGORY 2: C10-C12 Aromatics</b>						
Hydrocarbons, C10, aromatics, >1% naphthalene	R40-65-66-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis) Carcinogenicity Cat 2 [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	Not Classified	Not Classified (GHS Flam Liq 4)
Hydrocarbons, C10, aromatics, <1% naphthalene	R65-66-67	Aspiration Cat 1 STOT single Cat 3 (narcosis) [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	Not Classified	Not Classified (GHS Flam Liq 4)
Hydrocarbons, C10-C13, aromatics, <1% naphthalene	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	Not Classified	Not Classified
Hydrocarbons, C10-C13, aromatics, >1% naphthalene	R40-65-66	Aspiration Cat 1 Carcinogenicity Cat 2 [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	Not Classified	Not Classified
<b>CATEGORY 3: C9-C14 Aliphatics (2-25% Aromatics)</b>						
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	R65-66-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R10	Flam Liq 3
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	R52/53 = Harmful to aquatic organisms, May cause long-term adverse effects in the aquatic environment.	Aquatic Chronic Category 3 Symbol	not classified	not classified (GHS category 4)
Hydrocarbons, C8-12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	R65-66-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R10	Flam Liq 3
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	R65-66-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R10	Flam Liq 3
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	not classified for environment	Aquatic Chronic Category 3 Symbol	not classified	not classified
<b>CATEGORY 4: C14-C20 Aliphatics (2-30% Aromatics)</b>						
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	No classification	Not classified	not classified	not classified
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	R53 May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 4	not classified	not classified
<b>CATEGORY 5: C5 Aliphatics</b>						

	HEALTH HAZARDS		ENVIRONMENTAL HAZARDS		Phys Chem HAZARDS	
Substance Name	EU DSD Classification	EU-CLP Classification	EU DSD Classification	EU-CLP Classification	EU DSD Classification	EU-CLP Classification
Normal-Pentane	R65-66-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R12	Flam Liq 1
Iso-Pentane	R65-66-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R12	Flam Liq 1
Cyclopentane	R65-66-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	R52/53	Aquatic Chronic Category 3	R11	Flam Liq 2
Hydrocarbons, C5, n-alkanes, isoalkanes	R65-66-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R12	Flam Liq 1
<b>CATEGORY 6: C6 Aliphatics</b>						
Normal-hexanes	R38-48/20-62-65-67	Aspiration Cat 1 Skin Irr Cat 2 STOT SE Cat 3 (narcosis) STOT repeat Cat 2 Reproductive Tox Cat 2	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Hydrocarbons, C6, isoalkanes, <5% n-hexane	R38-65-67	Aspiration Cat 1, skin irritation cat 2 STOT SE Cat 3 (narcosis)	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Hydrocarbons, C5-C7, n-alkanes, n-hexane rich	R38-48/20-62-65-67	Aspiration Cat 1 Skin Irr Cat 2 STOT SE Cat 3 (narcosis) STOT repeat Cat 2 Reproductive Tox Cat 2	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, n-hexane rich	R38-48/20-62-65-67	Aspiration Cat 1 Skin Irr Cat 2 STOT SE Cat 3 (narcosis) STOT repeat Cat 2 Reproductive Tox Cat 2	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	R38-65-67	Aspiration Cat 1, [EUH066 skin defatting statement] STOT SE Cat 3 (narcosis)	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Hydrocarbons, C5-C7, n-alkanes, isoalkanes, n-hexane rich	R38-48/20-62-65-67	Aspiration Cat 1 Skin Irr Cat 2 STOT SE Cat 3 (narcosis) STOT repeat Cat 2 Reproductive Tox Cat 2	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
<b>CATEGORY 7: C7-C9 Aliphatics</b>						
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	R38-65-67	Aspiration Toxicity 1; skin irritation category 2, STOT SE Cat 3 (narcosis).	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane	R38-48/20-62-65-67	Aspiration Cat 1 Skin Irr Cat 2 STOT SE Cat 3 (narcosis) STOT repeat Cat 2 Reproductive Tox Cat 2	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	R38-65-67	Aspiration Toxicity 1; Skin Irritation Cat 2; STOT SE Cat 3 (narcosis).	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2

Substance Name	HEALTH HAZARDS		ENVIRONMENTAL HAZARDS		Phys Chem HAZARDS	
	EU DSD Classification	EU-CLP Classification	EU DSD Classification	EU-CLP Classification	EU DSD Classification	EU-CLP Classification
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	R38-65-67	Aspiration Tox. 1; STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Hydrocarbons, C6-C10, n-alkanes, isoalkanes, >5% n-hexane	R38-48/20-62-65-67	Aspiration Cat 1 Skin Irr Cat 2 STOT SE Cat 3 (narcosis) STOT repeat Cat 2 Reproductive Tox Cat 2	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Hydrocarbons, C7-C9, isoalkanes	R38-65-67	Aspiration Cat 1, category 2 skin irritation, STOT SE Cat 3 (narcosis)	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Hydrocarbons, C7-C8, cyclics	R38-65-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis)	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R11	Flam Liq 2
Normal-Heptane	R38-65-67	Aspiration Toxicity 1; Skin Irritation Cat 2; STOT SE Cat 3 (narcosis)	R50/53	Aquatic Acute 1, chronic 1	R11	Flam Liq 2
Iso-Heptane	R38-65-67	Aspiration Toxicity 1; Skin Irritation Cat 2; STOT SE Cat 3 (narcosis)	R50/53	Aquatic Acute 1, chronic 1	R11	Flam Liq 2
Normal-Octane	R38-65-67	Aspiration Toxicity 1; Skin Irritation Cat 2; STOT SE Cat 3 (narcosis)	R50/53	Aquatic Acute 1, chronic 1	R11	Flam Liq 2
Iso-Octane	R38-65-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis), skin irritation category 2	R50/53	Aquatic Acute 1, chronic 1	R11	Flam liquid 2
Nonane	R38-65-67	Aspiration Toxicity 1; Skin Irritation Cat 2; STOT SE Cat 3 (narcosis)	R50/53	Aquatic Acute 1, chronic 1	R10	Flam Liq 3
<b>CATEGORY 8: C9-C14 Aliphatics &lt; 2% Aromatics</b>						
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	R65-66-67	Aspiration Cat 1, STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	Not Classified	Not Classified	R10	Flam Liq 3
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	R65-66-67	Aspiration Cat 1 STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	Not Classified	Aquatic Chronic Category 3	R10	Flam Liq 3
Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Cat 1, STOT SE Cat 3 (narcosis) [EUH066 skin defatting statement]	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R10	Flam Liq 3
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified (GHS Flam Liq 4)

Substance Name	HEALTH HAZARDS		ENVIRONMENTAL HAZARDS		Phys Chem HAZARDS	
	EU DSD Classification	EU-CLP Classification	EU DSD Classification	EU-CLP Classification	EU DSD Classification	EU-CLP Classification
Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Aquatic Chronic Category 4	not classified	not classified (GHS Flam Liq 4)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified (GHS Flam Liq 4)
Hydrocarbons, C13-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified (GHS Flam Liq 4)
Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified (GHS Flam Liq 4)
Hydrocarbons, C10-C12, isoalkanes, <2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	R53 May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 4	R10	Flam Liq 3
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	R65-66	Acute inhalation Cat 4 [EUH066 skin defatting statement]	R53 May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 4	not classified	Flam Liq 3
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified (GHS Flam Liq 4)
Hydrocarbons, C10-C13, n-alkanes, < 2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified (GHS Flam Liq 4)
Hydrocarbons, C11-C14, n-alkanes, < 2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified (GHS Flam Liq 4)
Hydrocarbons, C9-C11, cyclics, <2% aromatics	R38-65	Aspiration Cat 1, STOT SE Cat 3 (narcosis) Skin Irritation Cat 2	R51/53 Toxic to aquatic organisms; May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 2 Symbol	R10	Flam Liq 3
Decane	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	R10	Flam Liq 3
Undecane	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified
Dodecane	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified
Tridecane	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified
Tetradecane	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	not classified	not classified
Isododecane	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	R53 May cause long-term adverse effects in the aquatic environment	Aquatic Chronic Category 4	not classified	not classified
Hydrocarbons, C10-C14, n-alkanes, <2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	Not Classified	Not classified (GHS Flam liq 4)

	HEALTH HAZARDS		ENVIRONMENTAL HAZARDS		Phys Chem HAZARDS	
Substance Name	EU DSD Classification	EU-CLP Classification	EU DSD Classification	EU-CLP Classification	EU DSD Classification	EU-CLP Classification
Hydrocarbons, C10-C14, n-alkanes, isoalkanes, < 2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	Not Classified	Not classified (GHS Flam liq 4)
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	Not Classified	Not classified (GHS Flam liq 4)
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Cat 1 [EUH066 skin defatting statement]	Not Classified	Not Classified	Not Classified	Not classified (GHS Flam liq 4)
<b>CATEGORY 9: C14-C20 Aliphatics &lt; 2% Aromatics</b>						
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Hydrocarbons, C13-C16, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Hydrocarbons, C14-C17, n-alkanes, < 2% aromatics	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Hydrocarbons, C14-C20, n-alkanes, < 2% aromatics	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Pentadecane	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Iso-hexadecane	R20-65-66	Inhalation category 4. Aspiration Cat 1STOT, [EUH066 skin defatting statement]	Not classified	Not Classified	Not classified	Not Classified
Hexadecane	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Heptadecane	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Octadecane	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Icosane	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified
Isoeicosane	R65-66	Aspiration Cat 1STOT, [EUH066 skin defatting statement]	Not classified	Not Classified	Not classified	Not Classified
Hydrocarbons, C14-C20, n-alkanes, isoalkanes, <2% aromatics	R65-66	Aspiration Category 1, EUH066 skin defatting statement	Not classified	Not classified	not classified	not classified