

ZEON'S ORGANIC CHEMICALS



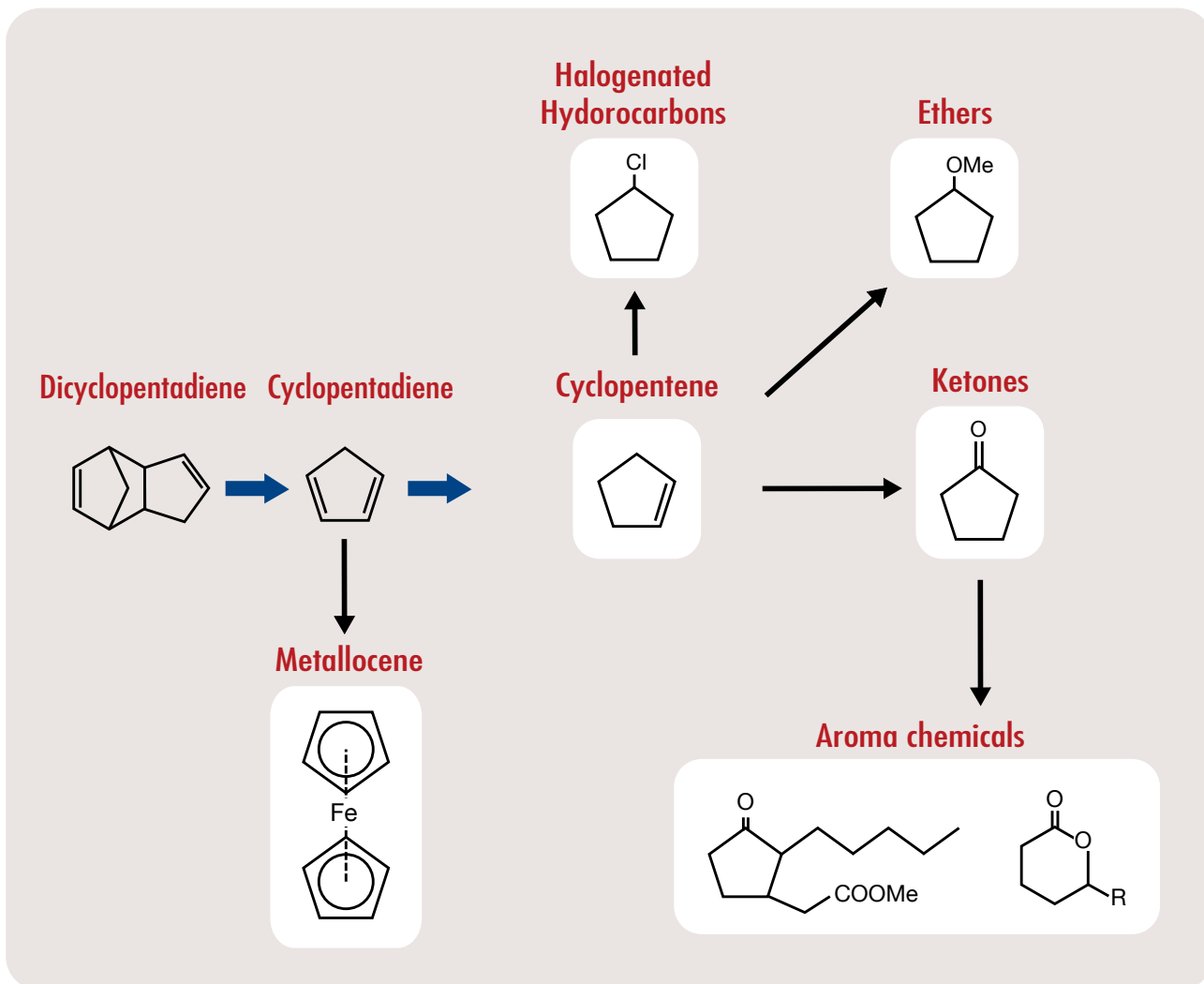
ZEON CORPORATION

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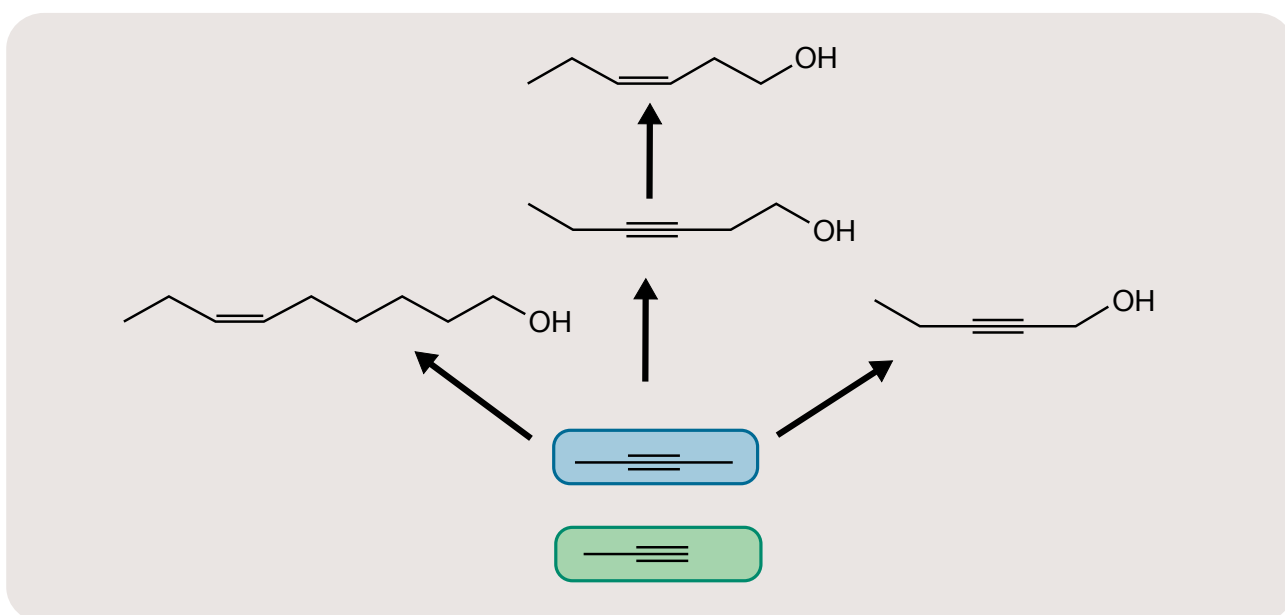


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CYCLOPENTADIENE DERIVATIVES



ALKYLACETYLENE DERIVATIVES



EXPLANATORY NOTES

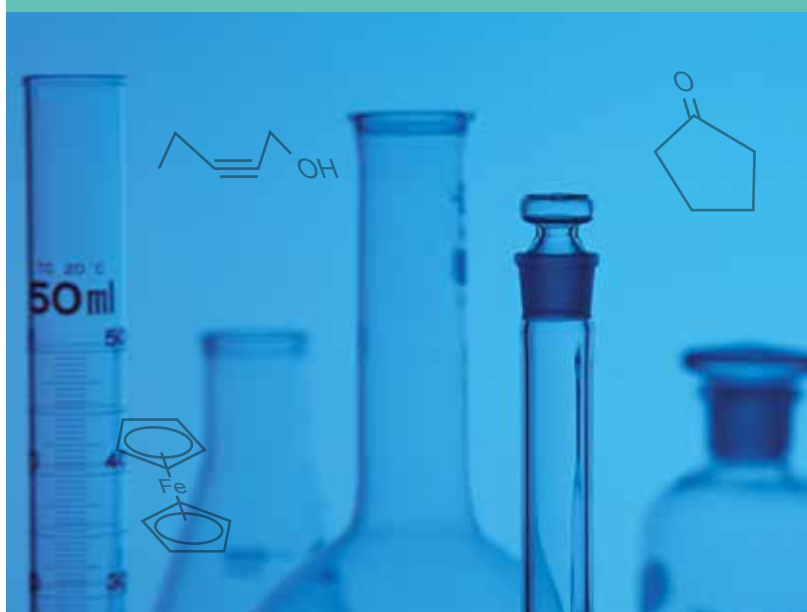
Registrations:

METI. No.	Existing chemicals number registered under the Ministry of Economy Trade and Industry (METI) Regulations
TSCA	Substance listed in the Toxic Substances Control Act inventory
EC	European Inventory of Existing Commercial Chemical Substances European List of Notified Chemical Substances
FEMA	Substance number in the Flavoring and Extract Manufacture's Association list
KOSHER	An item certificated to fit for consumption as KOSHER food according to Jewish law

Physical Properties:


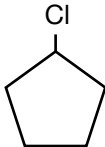
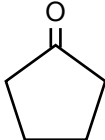
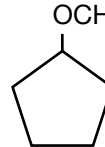
- bp : Boiling point
- mp : Melting point
- fp : Flash point
- d : Density (20/20)

ORGANIC CHEMICALS

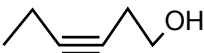
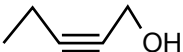


ORGANIC CHEMICALS

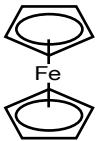
5-MEMBERED RING COMPOUNDS

Product Name	Structure Formula M.W.	Physical properties	Registrations
Cyclopentene	 C ₅ H ₈ 68.12	bp 44°C fp <-20°C (closed cup) d 0.774	METI [3-3439] TSCA EC [205-532-9]
Cyclopentylchloride	 C ₅ H ₉ Cl 104.58	bp 114°C fp 17.5°C (closed cup) d 1.005	METI [3-4323] TSCA EC [213-212-5]
Cyclopentanone	 C ₅ H ₈ O 84.12	bp 130°C-131°C fp 34.5°C (closed cup) d 0.951	METI [9-2108] TSCA EC [204-435-9]
Cyclopentyl methyl ether	 C ₆ H ₁₂ O 100.16	bp 106°C mp <-140°C fp -1°C (closed cup) d 0.86	METI [3-4548] TSCA EC [445-090-6]

ALKYLACETYLENE DERIVATIVES

Product Name	Structure Formula M.W.	Physical properties	Registrations
3-Hexyn-1-ol	 $C_6H_{10}O$ 98.15	bp 63-64°C/16hpa fp 64°C (closed cup) d 0.898	METI [2-3191] TSCA EC [213-685-8]
2-Pentyn-1-ol	 C_5H_8O 84.12	bp 84-85°C/76hpa fp 57.3°C (closed cup) d 0.909	METI [2-3355] TSCA EC [228-411-2]

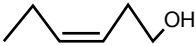

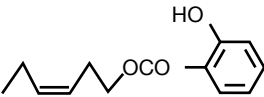
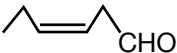
OTHERS

Product Name	Structure Formula M.W.	Physical properties	Registrations
Ferrocene	 $C_{10}H_{10}Fe$ 186.04	mp 174-176°C	METI [3-2568] TSCA EC [203-039-3]

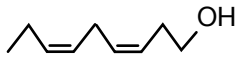

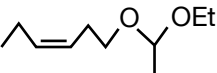
EMOSCENT® AROMA CHEMICALS



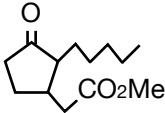
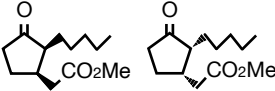
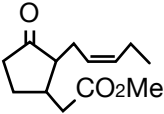
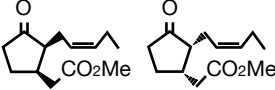
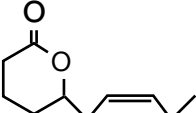
GREEN NOTES

Product Name	Structure Formula M.W.	Physical properties	Registrations
<i>cis</i> -3-Hexenol (Leaf alcohol)	 $C_6H_{12}O$ 100.16	fp 59±2°C (closed cup) d 0.850	METI [2-2393] TSCA EC [213-192-8] FEMA [2563] KOSHER
<i>cis</i> -3-Hexenyl acetate	 $C_8H_{14}O_2$ 142.20	fp 57±2°C (closed cup) d 0.901	METI [2-2533] TSCA EC [222-960-1] FEMA [3171] KOSHER
<i>cis</i> -3-Hexenyl salicylate	 $C_{13}H_{16}O_3$ 220.27	fp 156°C (open cup) d 1.062	METI [3-3041] TSCA EC [265-745-8] FEMA [4750] KOSHER
<i>cis</i> -3-Hexenal	 $C_6H_{10}O$ 98.15	fp 26°C (closed cup) d 0.926	METI [2-520] TSCA EC [229-854-4] FEMA [2561]

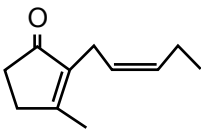
GREEN NOTES

Product Name	Structure Formula M.W.	Physical properties	Registrations
3,6-Nonadienol	 $C_9H_{16}O$ 140.22	fp 104°C (open cup) d 0.872	METI [2-258] TSCA EC [278-518-3] FEMA [3885] KOSHER
<i>cis</i> -6-Nonenol	 $C_9H_{18}O$ 142.24	fp 95°C (open cup) d 0.850	METI [2-258] TSCA EC [252-764-1] FEMA [3465] KOSHER
Acetaldehyde ethyl <i>cis</i> -3-hexenyl acetal (Leaf acetal)	 $C_{10}H_{20}O_2$ 172.27	fp 69.5°C (closed cup) d 0.853	METI [2-2458] TSCA EC [248-817-3] FEMA [3775]

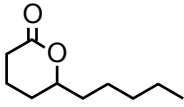
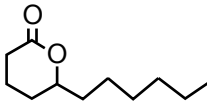
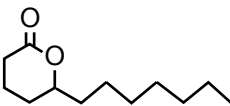
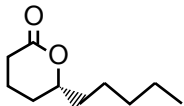
JASMINE NOTES

Product Name	Structure Formula M.W.	Physical properties	Registrations
Methyl dihydrojasmonate (CLAIGEON™)	 $C_{13}H_{22}O_3$ 226.32	fp 160°C (open cup) d 1.002	METI [3-3309] TSCA EC [246-495-9] FEMA [3408]
Methyl epi-dihydrojasmonate (CEPIONATE™)	 $C_{13}H_{22}O_3$ 226.32	fp 160°C (open cup) d 1.004 epimer content 30.00~35.00%	METI [3-3309] TSCA EC [246-495-9] FEMA [3408]
Methyl jasmonate (JASMONEIGE™)	 $C_{13}H_{20}O_3$ 224.30	fp 156°C (open cup) d 1.025	METI [3-3839] TSCA EC [254-705-5] FEMA [3410] KOSHER
Methyl epi-jasmonate (ZEPPIN™)	 $C_{13}H_{20}O_3$ 224.30	fp 156°C d 1.027 epimer content 20.00~23.00%	METI [3-3839] TSCA EC [254-705-5] FEMA [3410] KOSHER
Jasminlactone	 $C_{10}H_{16}O_2$ 168.24	fp 155°C (open cup) d 1.001	METI [5-6352] TSCA EC [247-074-2] FEMA [3745] KOSHER

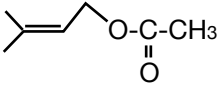
JASMINE NOTES

Product Name	Structure Formula M.W.	Physical properties	Registrations
<i>cis</i> -Jasmon	 <p>C₁₁H₁₆O 164.25</p>	<p>fp 127.5°C (open cup)</p> <p>d 0.943</p>	<p>METI [3-2394]</p> <p>TSCA</p> <p>EC [207-668-4]</p> <p>FEMA [3196]</p>

LACTONE NOTES

Product Name	Structure Formula M.W.	Physical properties	Registrations
delta-Decalactone	 $C_{10}H_{18}O_2$ 170.25	fp 148°C (open cup) d 0.971	METI [5-698] TSCA EC [211-889-1] FEMA [2361]
delta-Undecalactone	 $C_{11}H_{20}O_2$ 184.28	fp 159°C (open cup) d 0.960	METI [5-698] TSCA EC [211-915-1] FEMA [3294]
delta-Dodecalactone	 $C_{12}H_{22}O_2$ 198.31	fp 171°C (open cup) d 0.951	METI [5-698] TSCA EC [211-932-4] FEMA [2401]
(R)-(+)-delta-Decalactone (delta-Decalactone R-80)		fp 148°C (open cup) d 0.971 ee > 80.00%	METI [5-698] TSCA EC [211-889-1] FEMA [2361] KOSHER

OTHERS

Product Name	Structure Formula M.W.	Physical properties	Registrations
Prenyl acetate	 <p style="text-align: center;">C₇H₁₂O₂ 128.17</p>	fp 49.5°C (closed cup) d 0.921	METI [2-2532] TSCA EC [214-730-4] FEMA [4202]

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FOR MORE INFORMATION

It is our pleasure to serve customers with high quality products, technologies and the best services possible.

If you have any questions about our specialty chemicals or have any interest in further information or samples, please contact:

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