



EXPLOSIVE CHEMICALS


Topic:
Explosive
chemicals

Date:
03/09/2009

Page:
1 of 2

List of the **most common** explosive compounds. You should be aware that the list is not exhaustive. There are explosive substances that are not listed in the table. The labels in the right-hand column should be regarded as being for guidance purposes.

Recommended storage time once opened:
3 mnths. Check on the compounds: every
3 mnths. Recommended to be sent as
hazardous waste after: 6 mnths.

Name	CAS no.	Formula	Labelling
AMMONIUM DICHROMATE	05/09/7789	$(\text{NH}_4)_2\text{Cr}_2\text{O}_7$	List of substances: E, T+, N ; R1 ; R8 ; R21 ; R25 ; R26 ; R37/38 ; R41 ; R43 Mutagen 2; R46
BENZOYL PEROXIDE (Dibenzoyl peroxide)	94-36-0	$(\text{C}_6\text{H}_5\text{COO})_2$	List of substances: E, Xi ; R2 ; R36
Cellulose nitrate (containing more than 12.6% Nitrogen)			List of substances: E ; R1
Collodion (Pyroxylin, Cellulose nitrate)	9004-70-0		Sigma-Aldrich: F, Xi ; R11 ; R36/36
2,4-Dinitrophenyl Hydrazine	119-26-6	$(\text{NO}_2)_2\text{C}_6\text{H}_3(\text{NHNH}_2)$	Sigma-Aldrich: F, Xn ; R1 ; R11 ; R22
Dipicrylamine (Benzenamine, Hexanitrodiphenylamine)	131-73-7	 $\text{C}_{12}\text{H}_5\text{N}_7\text{O}_{12}$	List of substances: E, T+, N ; R2 ; R26/27/28
Ethyl nitrate	625-58-1	$\text{CH}_3\text{CH}_2\text{ONO}_2$	List of substances: E
Ethyl nitrite	109-95-5	$\text{CH}_3\text{CH}_2\text{ONO}$	List of substances: E, Xn ; R2



EXPLOSIVE CHEMICALS

Topic:
Explosive
chemicals

Date:
03/09/2009

Page:
2 of 2

Iodoxybenzene (Iodyl-benzene)	696-33-3	$C_6H_5IO_2$	List of substanc es: E
Pekrin acid SALTER			List of substanc es: E, T ; R3
Picramic Acid (2-Amino-4,6-dinitrophenol, 2,4-Dinitro-6-aminophenol)	96-91-3	$(NO_2)_2C_6H_2(NH_2)OH$	List of substanc es: E, Xn ; R1 ; R20/21/22
Picramide (1-amino-2,4,6-trinitrobenzene, TNA)	489-98-5	$(NO_2)_3C_6H_2(NH_2)$	
PICRIC ACID (2,4,6-TRINITROPHENOL, PICRIC ACID)	88-89-1	$(NO_2)_3C_6H_2OH$	List of substanc es: E, T ; R2 ; R4
Picryl chloride (2-Chloro-1,3,5-trinitrobenzene, 2,4,6-Trinitrochlorobenzene)	88-88-0	$(NO_2)_3C_6H_2Cl$	List of substanc es: E, T+, N ; R2
1,3,5-Trinitrobenzene (Trinitrobenzol)	99-35-4	$(NO_2)_3C_6H_3$	List of substanc es: E, T+, N ; R2 ; R26/27/28
2,4,6-Trinitrobenzenesulfonic acid (Picrylsulfonic acid)	2508-19-2	$(NO_2)_3C_6H_2SO_3H$	Sigma-Aldrich: F, C ; R1 ; R11 ; R22 ; R34 ; R43
2,4,6-Trinitrotoluene (TNT, 1-Methyl-2,4,6-trinitrobenzene)	118-96-7	$(NO_2)_3C_6H_2CH_3$	List of substanc es: E, T, N ; R2 ; R23/24/25