

	Page Page
	Explaine & Lubricants & Paints
4)	what ar requirement of good explosive?
1	Tradouve (in sublement of good explosive?
-	Explasive ax substance or mixture than when
_	gring order a constant start about the
<u> 100</u>	sound 4 high pressure:
_	- Land Comment Control Control Control
<u> </u>	Explosive ox classified au.
	with the state of
(in the basis of their speed.
3	High explaine (eg TAT, TAIG, RDX)
2	Low explasive (ey gun pouder, nitro cellulose)
	July possession of the contract of the contrac
	On the bails of their sparitivity.
	Primary explaire (cg. Led oxide gzide, Tetracene)
2	Secondary explaine Veg ammonium nitrate agent
٧.	blasting, RDX, TXT)
+	blasting, RDX 1 XI
$-\parallel$	
-[The requirement of good explasive are
1.	It must produce exthernic reaction along with gos
	light sound of high pressure
9.	The explosion must be divided in the second
	as he composive.
اام	To the stone could to trifee
	other explains in case of primary explasives
+	Clure - Exhibition
+	
- 11	
4	The state of the s

THE RESERVE AND PARTY AND PERSONS ASSESSED.	
3	What is lubricant? White about the application
A state of the sta	of diff. Types of Subricunts - Write the chara-
	cherities of and lubrican
25	the substruct and lost 120
	cliding and a long bet two moving or
THE RESERVE OF THE PERSON NAMED IN	Line sol tace to reduce trictional resistance
A New Yorks, Agent State of the	the substance applied bet two moving or sliding surture to reduce tractional resistance between them is known as lubricants.
Marketon a Transport of State	
	The application of various types of lubricants ones. liquid lubricant are used as coolant sealing
•	liquid beniant are used in malast sections
	agente
,	liquid lubricant are used to friction remover
	tor high begins and sensites
	tor high bearing loads & shock loads
	Solid lubricant are exced for coating as insul-
	esting surface to make it conducting
	The characteristics of good bubicants are
	The every spread on lubron & curton
	uninterrupted motion.
•	It must be resultient to beat land floor
• 5	It must but long on the surface
	Stylach Stylach
	the same of the sa
2)	(1 0001 01 1
. (0	Show your tamiliarity with primary & sight explasive. Where the preprotion & was of Trick
- 6	xplasive. With the preprotion & was of Thire
	16
- > 1	Inmany explaines are also called initating explaine
0	r Lotonator. They are very sensitive & explose
c	on receiving slight shock five they are mainly
	used an small quantities to stort by initiale
7	the explasion of the main explasive.
	THE MOIN EXPLOSIVE.
7	
- +	g. Lead axid (PbNl,), Tetreenve [(, M, N, 0) et

1	that explaine use those explaines which have
1	Sigher energy than other explosives to the
-	they are a sla dalla of the area to the
+	I mechanical I de si sonsitivo to the
\dashv	& Amechanical shock. They are mostly used
-	for blasting, terror attacks, excavating ek
\perp	V V
<u>a</u>)	THT.
	It stand for tissition to luene. It is the principle
	military explasive. It is economic & state, to
	orepair has low sensitivity to impose high
1	stability etc. It can be prepared by nitrotz
1	Pon of toluene with conc HNO3 & conc. Hason and
-	140 : then finally at 230°C.
-	() () () () () () () () () ()
$-\parallel$	CH3 NO. HO2 NO.
-1	
4	7 201117 112501
	(-ALO)
	talvene 2-nitrotalvene 2-4-dinitrotalvene 24.6-
-	d-4- animisorum trinitroto hise
	Uses.
0	A is used for the portion of the
0	It is used for air bond denotition. The is used for air bond denotition.
0	12 Re wed in rock blasting, subsoil blasting
1	Lings of the state
	Aug 1 1 pilo y programme in the 10
8,	TNG.
5	It stands for trinitinglycenne It & prepared
	the XV could mintare of conc. Flater
	(pox.) & conc. +1/102 (rot.) at 100 with constant
	stirring.

	CH2-014 CH2-0107
	CH - DH > 211010 Conc. Hally CH - OHO2
	THE SHIP OF THE STATE OF THE ST
	CH - ONIO,
	CH2-0H
	The the industry charged is added by
*	In the industry glyceral is added by well stringing cooling of a mixture of cons
	HNOS & conc. 91300 Rowing that the temperature
	of the reaction mixture does not rese up to
	15°C otherwise it may result is a serious
	explains. The reaction mixture a then quenched
	in a large vol. of water & the product is
1	washed & purified
	Use 3:
-	
- 1	It is used as direct explosive
	- Gramic
6 34	maticle high - p - Se
(4)	Whole which controls Q al 2 1101 1 1
19	kirite about cramels & vamishes? Linke about sem- i-solid lubricant & their uses.
-1	Framed a plamented - varnish point which
	Thampa a a premented - various point which
	on drying gives a lustrous head a glassy
	tinish. The proporties of enomed depend largely
	on the nature of the varnish's vehicle
	f regin
	Varnishs are homogenous colloided dispossion
. 11	sol of natural & synthetic resin in oil or
	thinner or both. It is used for protective of
-	demorative couling of soitable sortace which
	or drighty leaves hard . transporent glossy, lutine
	C - 1 31 C C

& durable film
Sion of thickening agent so liquid by disper-
It in also be proved by superification
of fat with an alkali. The consistency
present in it
Usese of semi-solid lubricants.
· Used as friction reducer as automobile
· Used an induting
· Used as coplant in automobiles
5) klhod an phostic explosines? Llhy is detapator required
for the explasion of TATT?
=> Plustic explosive are the combination of explosives
made into various stopes without any serious huk
They aremainly used for industrial applicants & military
USES.
THIT or trivitations in short is a high
explosive which has low sensitivity to impact,
high stability & low melting prints so onder
normal condition THT doesnot explode so a
de tonator à use d' to tragger a ron Which
couse the main explosion of THT.
II

96)	
	. 14
	Point is unscous empenden of finely divided sold
->>	Point is unscous empenden of the duning
	pignzent is a fluid medium which on duning
	(4)
	or demi-liquid product that holds solid coloring
-	or demi-liquid product that holds out
_	rapteriule à suspension
	6 0
hamilton and a	The somportance of Subnicentian in angi-nearing co
•	to Sorreage the efficiency of muchines.
	to decrease the machine maintainece cast-
-	to derrease triction & heat generation.
	to increase the life of machine
	interpret with any bake in the straining or likely in hadding
97)	to the state of th
	market to adminus it is signed it has
	hlyreral trinitrale (GTM) is prepared by mixing
	of glycerol with mixture of conce Hoson (80%) &
	cons. Allow (40%) at soic with const. stiming
	CH2-OH + 1 40- 410-
	CH2 - ONO,
	CH-OH + 3H MO3 - CH - ONO2
	(1) . (2)
	CH4-OH
-	
	in the industry, ToTA is prepared by adding phycerest with string to cooling mixture of conc. HNOs &
	with string to cooling martine of conc. HNOS
	conc. Hason It is ensured what the temp. of mixture doesn't exceed is a as it may lead to deadly explosion.
	exceed 15°C as it may lead to deadly explosion.
	U U

