Compact Fluorescent Lamps

Asppc l r Jgefrg l e Qmjsrgm l q* JJA
03603 Qagc l ac N_pi QRC 2 . .
@c_af ummb* MF 22/00+5170

Q_dcrw B_r_ Qfccr &QBQ'*
K_rcpg_j Q_dcrw B_r_ Qfccrq &KQBQ'

Gldmpk_rgml _lb ?nnjga_`gjgrw

Rfc Npmbsar Q_dcrw B_r_ Qfccr &QBQ' pcosgpc k c l rq* dmp k_jjw i l mu l _q rfc K_rcpg_j Q_dcrw B_r_ Qfccrq &KQBQ'* md rfc Maasn_rgml_j Q_dcrw _lb Fc_jrf ?b k g l gqrp_rgml &MQF?' dmp afc k ga_jq _pc l mr _nnjga_`jc rm k_lsd_arspcb _prgajcq qsaf _q j_knq, Lm k_rcpg_j am l r_g l cb g l _j_k n gq pcjc_qcb bspg l e l mp k_j sqc _lb mncp_rgml,

Rfc dmjjmu g l e g l dmp k_rgml gq npmtgbcb _q _ qcptgac rm msp asqrm k cpq, Rfc dmjjmu g l e Npmbsar Q_dcrw B_r_ Qfccr am l r_g l q _nnjga_`jc Q_dcrw B_r_ Qfccr g l dmp k_rgml,

Qcargml /, Npmbsar Gbc l rgdga_rgml

Asppc l rAm k n_ar Djsmpcqac l r J_knq

Asppc l r Jgefrg l e Qmjsrgm l q* JJA
03603 Qagc l ac N_pi QRC 2 . .
@c_af ummb* MF 22/00+5170

Section 2. Hazardous Identification

c as
c as n c c r tc sr a n ard s c ac r n fc s r d c as n c c r
e tc nu t cnc e rfrfc c drfc n rfc c e dc drfc n n ard s c ac r n
r nc r a r c rf 3 e d c as 3 e d c as c r c c cos t c r cr rfc
nc rrfcc drf c rc ac

Section 3. Lamp Composition and Detailed Ingredient Information

Ec lcp_j J_kn Amknmqgrgml

Ej_qq $ Kcr_j
Rfc ej_qq rs`c sqcb gl _qr_lb_pb amkn_ar djsmpcqaclrj_kn gq k_lsd_arspcb dpmk qmb_+jgkc ej_qq _lb gq cqqclrg_jjw qgkgj_p `sr lmrgbclrga_j rm rf_r sqcb rfpmsefmsr rfc ej_qq glbsqrpw dmp `mrrjcq _lb mrfcp amk kml amlqskcp grckq, Rfc j_kn `_qcq _pc eclcp_jjw lgaicj+nj_rcb `p_qq, Rfc amgjq gl rfc j_knq &a_jjcb dgj_kclrq mp a_rfmbcq' _pc k_bc md rsleqrcl, ?l ckgqqgml k_rcpg_j amtcpq rfc rsleqrcl amgj, Rfc ckgqqgml k_rcpg_j amlqgqrq md rpgnjc mvgbc &@_M* A_M* QpM') XpM0 gl _os_lrgrw md 2+/0 ke-j_kn bcnclbgle ml rwnc, Qmkc 2+ngl Amkn_ar djsmpcqaclrj_knq amlr_gl 0+1 ke md rgr_lgsk+fwbpgbc, Lmlc md rfcqc k_rcpg_jq umsjb npcqclr_f_x_pb gl rfc ctclr md `pc_i_ec md rfc j_kn* _qgbc dpmk rfc m`tgmsq mlcq bsc rm `pmicl ej_qq, Qmkc djsmpcqaclrj_knq &AmtPes_pbRK npmbsarq' sqc _l cvrcpl_j am_rgle md nmjwa_p`ml_rc rm npmtgbc _qf_rrcp+pcqgqr_lr am_rgle,

Nfmqnfmp
Rfc nfmqnfmp qwqrck &QN-QNV' sqcq _ kgvrspc md p_pc c_prf cjckclrq qsaf _qj_lrf_lsk _lb wrrpgsk _q cgrfcp _l mvgbc mp _q _nfmqnf_rc* _jmle ugrf _ `_pgsk-_jskglsk mvgbc, Rfc nfmqnfmp amknmlclrq k_wt_pw qjgefrjw bcnclbgle ml rfc amjmp md rfcj_kn &QNV1.* QNV13* cra,', Amkn_ar djsmpcqaclrj_knq rwnga_jjw f_tc _ k_vgksk md /,3 ep_kq md nfmqnfmp, Rmr_jnfmqnfmp ucgefr ugjj t_pw `wj_kn qgxc _lb rwnc,

Cjcarpmlga @_jj_qr dmp Qcjd+@_jj_qrcb Amkn_ar Djsmpcqaclr J_kn
Rfc cjcarpmlga `_jj_qr gq `sgjr glrm rfcj_kn fmsqgle, Rfc `_jj_qr amlqgqrq md n_prq rf_r _pc cqqclrg_jjw qgkgj_p* `sr lmrgbclrga_j* rm rfmqc sqcb rfpmsefmsr rfc cjcarpmlgaq glbsqrpw dmp mrfcp amk kml amlqskcp _prgajcq,

Nj_qrga K_rcpg_j
Rfc nj_qrga fmsqgle gq rwnga_jjw k_bc md N@R &Nmjw`srwjclc+rcpcnfrf_j_rc' mp NCR &Nmjwcrfwjclc+ rcpcnfrf_j_rc' dgpc pcr_pbcb nj_qrga ugrf _ `pmkglc+amlr_glgle nmjwkcp _lb _lrgkmlw mvgbc, Rfc nj_qrga fmsqgle gq ej_qq dg`cp dgjjcb, Rfgq npmbsar amlqgqrq npgk_pgjw md fgef kmjcasj_p ucgefr nmjwkcpq rf_r _pc lmr f_x_pbmsq,

Section 4. First Aid Measures

ZPEMDCMEPODMTESOEOPSMTEOEPESPO

Section 5. Fire-Fighting Measures

Lm qnca_j npca_srmlq lcacqq_pw dmp dgpc dge frcpq,

Section 6. Accidental Release Measures

EETTDEEESDSODPDMESEDEOMTOESPSOEMMCESEMEEEMTD
DDEEOMMCSPEOSTDESEEMTDMMEPTSEDMETTDEPESDSOEDOTEODOEO
OEEMBEPOEDECSPEOMEECSTOEEOMOEESEPSOEDETTCMEDSEDPEOEEEED
OPDMSEEOTDMEOMMTCMEMEDEDCEPSEDOE

Section 7. Handling and Storage

ZEMTCEOEDEMEPSTEPSTEOMTCEOEDEMEPSSEDDMOEDCPMESEOOTESPSEOMDEOEPS
PDESSPEDEDEOEOEDCPMECEMDEEOESTPSEESEDEOSTPEDDEEOMCSEEE

Section 8. Exposure Controls/Personal Protection

ZPTEDMSERSEEOTESOEOPSMTEOEPESPO

Section 9. Physical and Chemical Properties

ZPEMDCMEPODMTO

Section 10. Stability and Reactivity

ZPEMDCMEPODMTO

Section 11. Toxicological Information

Nfmqnfmp
Cvacnr dmp q k _jj af_ lecq* gr gq cqqc lrg_jjw rfc q_ kc nfmqnfmp rf_r f_q `cc l gl sqc gl msp j_ knq dmp mtcp rfgprw wc_pq, Rfc Glbsqrpg_j Fwegc lc Dms lb_rgm l md rfc Kcjjm l Glqrgrsrc dms lb lm qgelgdga_lr _btcpqc cddcarq* cgrfcp `w gl ecqrgml* gl f_j_rgml* q igl am lr_ar* mp cwc g knj_lr* gl _ dgtc+wc_p _lg k_j qrsbw md rfc mpgegl_j nfmqnfmp, ?jqm* rfcpc f_tc `cc l lm qgelgdga_lr _btcpqc cddcarq pcnmprcb gl fs k_lq `w _lw md rfcqc pmsrcq bspgle rfc k_lw wc_pq md grq k_lsd_arspc _lb sqc, Rfc nfmqnfmp gq qm k cu f_r jgic rfc glcpr kglcp_j _n_rgrcq &a_jags k nfmqnf_rc+djsmpgbcq' rf_r maasp gl l_rspc,

?lrgk m lw* k_le_lcqc* wrrpgs k _lb rgl am k nms lbq _pc af_p_arcpgxcb `w MQF? _q f_x_pbmsq afc kga_jq* _q _pc k mqr k cr_jq, Fmuctcp* bsc rm rfcgp glqmjs`gjgrw* pcj_rgtcjw jmu rmvgagrw _lb q k_jj _k ms lr npcqc lr gl rfc nfmqnfmp _lb rfc j_kn* rfcqc k_rcpg_jq bm lmr npcqc lr _qgelgdga_lr f_x_pb gl rfc ctc lr md `pc_i_ec md rfc j_kn,

Kcpaspw
Lcgrfcp rfc kcpaspw lmp rfc nfmqnfmp am lac lrp_rgm l gl _gp npmbsacb `ca_sqc md `pc_igle m lc mp _ q k_jj ls k `cp md am k n_ar djsmpcqac lr j_knq qfmsjb pcqsjr gl qgelgdga_lr cvnmqspcq rm rfc glbgtgbs_j, U fcpc _j_pec os_lrgrw md j_knq gq glrc lrgml_jjw `pmic l* dmp cv_knjc* gl _ bps k+rmn apsq fcp* umpi qfmsjb `c bm lc gl _ ucjj+tc lrgj_rcb _pc_* _lb jma_j cvf_sqr tc lrgj_rgm l mp ncpqm l_j npmrcargtc cosgn k c lr k_w `c lccbcb, ?jqm* _nnpmnpg_rc glbsqrpg_j fwegc lc k m lgrmpgle _lb am lrpmjq qfmsjb `c gknjc k c lrcb rm k glg kgxc _gp`mp lc jctcjq mp qspd_ac am lr_kgl_rgml, EC pcam k k c lbq j_kn pcawajgle u fc l j_pec os_lrgrw j_kn bgqnmq_j gq pcosgpcb, Qcc8 u u u,j_knpcawajc,mpe dmp _ jgqr md j_kn pcawajcpq,

ST
Rfc Sjrp_tgmjcr c lcpew c kgrrcb `w am k n_ar djsmpcqac lr j_knq am k njgcq ugrf rfc Nfmrm`gmjmega_j q_dcrw pcosgpc k c lrq gl GCQL? PN+05,/ $ GCQL? PN05,1, &ADJ j_knq _jqm am k njw ugrf AGC Q . . 78 0 . . 0,'

Section 12. Ecological Information

-

Section 13. Disposal Considerations

TCLP
A Toxicity Characteristic Leaching Procedure (TCLP) test conducted on modern compact fluorescent lamp designs is not expected to cause the lamp to be classified as a hazardous waste because modern CFL lamps are made with extremely low mercury content and no lead content (in the case of screw-based compact fluorescent lamps). Although CFL lamps are not considered hazardous waste under Federal law, several states regulate the disposal of all mercury containing products and lamp recycling is required in these states. Review your waste handling practices to assure that lamps are disposed properly and contact your state environmental department for any regulations that may apply. To check state regulations or to locate a recycler, go to www.lamprecycle.org.

Electronic Ballast
Modern electronic ballast designs for screw-based compact fluorescent lamps would not fail the TCLP test for lead as lead has been removed from modern ballast designs. Dispose in accordance with local regulations; recycling is recommended or required in several states. Modern lead-free ballast designs also meet the EC directive 2002/95/EC for ROHS (Restriction of Hazardous Substances) in Europe.

Plastic Material
The plastic material used in a compact fluorescent lamp can be recycled during the lamp recycling process.

Universal Waste
Used lamps being stored for recycling must be managed as Universal Waste.

(1) Lamps being held for recycling should be held in containers or packages that are structurally sound, adequate to prevent breakage, and compatible with the contents of the lamps and such containers should remain closed.

(2) Any lamp that is broken or shows evidence of damage should be placed in a container that is closed, structurally sound, and compatible with the contents of the broken lamps.

(3) If storing lamps for recycling, each container in which such lamps are stored must be labeled or marked clearly with one of the following phrases: "Universal Waste--Lamp(s)," or "Waste Lamp(s)," or "Used Lamp(s)."

Section 14. Transport Information

-

Section 15. Regulatory Information

-

Section 16. Other Information

The Product Safety Data Sheet for Compact Fluorescent Lamps was prepared in 2022