® R.ll EElGE- n -l - ERaa l . R
1 E r Es eesae 41
y -esso) IM- laElB 20091
l el. 639M02 61012e6
REO 639M02 610 042

HIGH TECH
LUBRICANTS & ADDITIVES

Factsheet

134008 FRIOL SYNTHETIC
22-32-46-68-80-100-120-150-170-220

Issued on 03/19/2010 - Rel. # 6 on 03/04/2026

SECTION1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

P-oducacode : 13400 RRIOL Y l Hal lr 22-32-46-6 - 0-100-120-1e0-170-220

1.2. Relevant identified uses of the substance or mixture and uses advised against

LuG- cEnafo- -ef- ge-Eaon End E - cond aon ng sBsæs s.
ecao-s of use:
P-ofess onEl use[U22]

Uses Edv sed EgE nsa
Do noause fo- eu-eoses oahe- ahEn ahose l sæd

1.3. Details of the supplier of the safety data sheet

R.ll EElGE- n -l - ERaa l . R ®
1 E r Es eesae 41 -20091 y -esso) IM- laElB
l el. 639M02 61012e6 - REO 639M02 610 042
Pe-sonE cos eeænæ -eseonsEGle D : nfo@g-eensaE-. a

1.4. Emergency telephone number

l el. 639M02 61012e6

SECTION2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 r lEss f cEaon Ecco-d ng ao RegulEaon ar M o 1272/200 :

l h s e-oducadoes noas eeaahe c- æ- E fo- clEss f cEaon n EnB hEzE-d clEss Ecco-d ng ao RegulEaon ar M o 1272/200 on clEss f cEaon, lEGell ng End eEckEg ng of suGsaEnces End s 0au-es.

P caog-Es s:
one

HEzE-d r lEss End r Eaego-B r ode sM
onhEzE-dous

HEzE-d saEaes enar ode sM
onhEzE-dous

2.2. Label elements

LEGell ng Ecco-d ng ao RegulEaon ar M o 1272/200 :

P caog-Es , gnEl Wo-d r ode sM
one

HEzE-d saEaes enar ode sM
onhEzE-dous

ueeles enaEl HEzE-d saEæs enar ode sM
noaEeel cEGle

P-ecEuaonE-B saEæs enas:
one n eE-aculE-.

2.3. Other hazards

y Esed on ahe EvE lEGle dEaE, no Py l o- vPvy suGsaEnces E-e e-esena n Ecco-dEnce w ah RegulEaon ar M1907/2006, Enne0 XIII

y Esed on EvE lEGle dEaE, ahe-e E-e no suGsaEnces ahEa næ-fe-e w ah ahe a ndoc- ne Bsæs n Ecco-dEnce w ah RegulEaon aUM2017/2100

o nfo-s Eaon on oahe- hEzE-ds
l h s docus ena s ouas de ahe scoee of . -acle 31 of Ra . r H

SECTION3. Composition/information on ingredients

3.1 Substances

l-- levEna

3.2 Mixtures

o suGsaEnce ao s gnEl.

SECTION4. First aid measures

4.1. Description of first aid measures

InhElEaon:
. - ahe E-eE.) ove s s ed EaelB ahe conaEs nEaed eEaenaf-os ahe E-eE End keee h s Ea-esa n E well venalEaæd E-eE. If Bou feel unwell seek s ed cEl Edv ce.

D -ecaconaEcaw ah sk n of ahe eu-e e-oducaM
WEsh aho-oughlB w ah soEe End -unn ng wEæ-.

D -ecaconaEcaw ah eBes of ahe eu-e e-oducaM
WEsh s s ed EaelB End aho-ouglB w ah -unn ng wEæ- fo- EaleEsa10 s nuæs.

Ingesaon:
R nse s ouah w ah wEæ- of ahe suGjeca r onsulaE ehBs c En.

4.2. Most important symptoms and effects, both acute and delayed

o dEaE EvE lEGle.

4.3. Indication of any immediate medical attention and special treatment needed

o dEaE EvE lEGle.

SECTION5. Firefighting measures

5.1. Extinguishing media

. dv sed e0angu sh ng Egenas:
WEæ- se-EB, r O2, foEs , d-B ches cEl, deeend ng on ahe s Eæ- Els nvolved n ahe f -e.

a0angu sh ng s eEns ao Evo d:
WEæ- jeas. Use wEæ- jeas onlB ao cool ahe su-fEces of ahe conæE ne-s e0eosed ao f -e.

5.2. Special hazards arising from the substance or mixture

o dEaE EvE lEGle.

5.3. Advice for firefighters

Use e-oæcaon fo- ahe G-eEah ng EeeE-Eaus
EfeaB hels eaEnd full e-oæcave su a
l he se-EB wEæ- cEn Ge used ao e-oæcaahe eeoele nvolved n ahe e0ancaon
You s EB Elso use self-ese -Eao-, eseec ElB when wo-k ng n conf ned End eoo-lB venalEæd E-eE End f Bou use
hElogenEæd e0angu she-s HElon 1211 fluoG-ene, olkEn 123, . R, eac...M
Keee conæE ne-s cool w ah wEæ- se-EB

SECTION6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 Ro- non-es e-gencB ee-sonnel:
WeE- gloves End e-oæcave cloah ng

6.1.2 Ro- es e-gencB -eseonde-s:
al s nEæ Ell unguE-ded flEs es End eoss Gle sou-ces of gn aon. o ss ok ng.
P-ov s on of suff c enavenalEaon.
avEcuEæ ahe dEnge- E-eE End, n cEse, consulaEn e0ee-a

6.2. Environmental precautions

r onæE n se ll w ah eE-ah o- sEnd.
If ahe e-oducahEs enæ-ed E wEæ-cou-se n sewe-s o- hEs conæEs nEæd so l o- vegeæEaon, noafB aao ahe ahe Euaho- aes.
D schE-ge ahe -es E ns n cos el Ence w ah ahe -egulEaons

6.3. Methods and material for containment and cleaning up

6.3.1 Ro- conæE ns ena
Recove- ahe e-oducafo- -euse, f eoss Gle, o- fo- -es ovEl. Poss GlB EGso-G a w ah ne-as Eæ- El.
P-evena af-os enæ- ng ahe sewe- sBsæs .

6.3.2 Ro- cleEn ng ue:
. fæ- w e ng ue, wEsh ahe E-eE End s Eæ- Els nvolved

6.3.3 Oahe- nfo-s Eaon:
one n eE-aculE-.

6.4. Reference to other sections

Refe- ao eE-Eg-Eehs End 13 fo- s o-e nfo-s Eaon

SECTION7. Handling and storage

7.1. Precautions for safe handling

. vo d conæcaEnd nhElEaon of vEeo-s
. awo-k do noaeEao- d- nk.
ee Elso eE-Eg-Eeh Gelow.

7.2. Conditions for safe storage, including any incompatibilities

Keee n o- g nEl conæEne- closed aghaB. Do noasao-e n oeen o- unlEGeled conæEne-s.
Keee conæEne-s ue- ghaEnd sEfe GB Evo d ng ahe eoss Gl aB of fElls o- coll s ons.
ao-e n E cool elEce, EwEB f-os sou-ces of heEaEnd `d -ecae0eosu-e of sunl gha

7.3. Specific end use(s)

P-ofess onEl use:
Rollow ahe -ules of good hBg ene n ahe wo-kelEce.

SECTION8. Exposure controls/personal protection

8.1. Control parameters

o dEaE EvE lEGe.

8.2. Exposure controls

. ee-oe- Eæ eng nee- ng cona-ols:
P-ofess onEl use:
Well venalEæd env -ons ena OGse-ve ahe sEfeaB s eEsu-es used n hEndl ng ches cEls.

Ind v duEl e-oæcaon s eEsu-es:

EMaBe / fEce e-oæcaon
oaneeded fo- no-s El use.

GM k n e-oæcaon

MHEnd e-oæcaon
oaneeded fo- no-s El use.

MOahe-
WeE- no-s El wo-k cloah ng.

cMRese -Eao-B e-oæcaon
oaneeded fo- no-s El use.

dM he-s El hEzE-ds
o hEzE-d ao -eeo-a

anv -ons enaEl e0eosu-e cona-ols:
Use Ecco-d ng ao good wo-k ng e-Ecaces ao Evo d eolluaon nao ahe env -ons ena

SECTION9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
PhBs cEl saEæ	L qu d	
r olou-	a-Ew Bellow	
Odou-	r hE-Ecæ- sac	
Odou- ah-eshold	oadeæ-s ned	
) elang eo naf-eez ng eo na	oadeæ-s ned	
y o l ng eo nao- n aEl Go l ng eo naEnd Go l ng -Enge	oadeæ-s ned	
RlEs s EGl aB	oaEeel cEGle	
Lowe- End ueee- e0elos on l s a	oadeæ-s ned	
RlEsh eo na	> 230 r	
. uao- gn aon æs ee-Eau-e	oadeæ-s ned	
Decos eos aon æs ee-Eau-e	oadeæ-s ned	
eH	oadeæ-s ned	
K nes Eac v scos aB	Geaveen 32 End 220 e-oduca nos enclEau-e e0e-esses ahe g-EdEaon of k nes Eac v scos aBM	
oluGl aB	solvenas	
WEæ- soluGl aB	oawEæ- soluGle	
PE-aaon coeff c enan-ocaEnol/wEæ- log vElueM	oadeæ-s ned	
1 Eeou- e-essu-e	oadeæ-s ned	
Dens aB End/o- -elEave dens aB	Geaveen 9 0 End 1010 kg/s ³	
RelEave vEeou- dens aB	oadeæ-s ned	
PE-acle chE-Ecæ- sacs	l--elevEna	

9.2. Other information

9.2.1 Information with regard to physical hazard classes

l-- levEna

9.2.2 Other safety characteristics

I-- levEna

SECTION10. Stability and reactivity

10.1. Reactivity

o -eEcav aB hEzE-ds

10.2. Chemical stability

o hEzE-dous -eEcaon when hEndled End sao-ed Ecco-d ng ao e-ov s ons.

10.3. Possibility of hazardous reactions

l he-e E-e no hEzE-dous -eEcaons

10.4. Conditions to avoid

oah ng ao -eeo-a

10.5. Incompatible materials

lacEn gn æ n conaEcaw ah o0 dEnas s ne-El Ec ds, saong o0 dEnas Egenas.

10.6. Hazardous decomposition products

Does noadecos eose when used fo- nænded uses.

SECTION11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

. l a s 0Mo-El = ∞
. l a s 0Mde-s El = ∞
. l a s 0MnhEl = ∞

EMEcuæ ao0 c aB: GEsed on EvE lEGle dEaE, ahe clEss f cEaon c- æ- E E-e noas ea
GMsk nco--os on/ -- aEaon: GEsed on EvE lEGle dEaE, ahe clEss f cEaon c- æ- E E-e noas ea
cMse- ous eBe dEs Ege/ -- aEaon: GEsed on EvE lEGle dEaE, ahe clEss f cEaon c- æ- E E-e noas ea
dM-ese -Eao-Bo-sk nsens asEaon: GEsed on EvE lEGle dEaE, ahe clEss f cEaon c- æ- E E-e noas ea
eMge-s cell s uaEgen c aB: GEsed on EvE lEGle dEaE, ahe clEss f cEaon c- æ- E E-e noas ea
fMcE-c nogen c aB: GEsed on EvE lEGle dEaE, ahe clEss f cEaon c- æ- E E-e noas ea
gMee-oducaveao0 c aB: GEsed on EvE lEGle dEaE, ahe clEss f cEaon c- æ- E E-e noas ea
hMseec f c aE-geao-gEn ao0 c aB l Ol Ms ngle e0eosu-e: GEsed on EvE lEGle dEaE, ahe clEss f cEaon c- æ- E E-e noa s ea
Mseec f c aE-geao-gEn ao0 c aB l Ol M-eeeEæd e0eosu-e: GEsed on EvE lEGle dEaE, ahe clEss f cEaon c- æ- E E-e noa

s ea
jMEse -Eaon hEzE-d: GEsed on EvE lEGle dEaE, ahe clEss f cEaon c- æ- E E-e noas ea

11.2. Information on other hazards

o dEaE EvE lEGle.

11.2.1. andoc- ne d s-ueang e-oee-aes
y Esed on EvE lEGle dEaE, ahe-e E-e no suGsaEnces ahEa næ-fe-e w ah ahe andoc- ne Bsæs n Ecco-dEnce w ah RegulEaon aUM2017/2100

SECTION12. Ecological information

12.1. Toxicity

Use Ecco-d ng ao good wo-k ng e-Ecaces ao Evo d eolluaon nao ahe env -ons ena

12.2. Persistence and degradability

o dEaE EvE lEGle.

12.3. Bioaccumulative potential

o dEaE EvE lEGle.

12.4. Mobility in soil

o dEaE EvE lEGle.

12.5. Results of PBT and vPvB assessment

y Esed on ahe EvE lEGle dEaE, no Py l o- vPvy suGsaEnces E-e e-esena n Ecco-dEnce w ah RegulEaon ar M1907/2006, Enne0 XIII

12.6. Endocrine disrupting properties

y Esed on EvE lEGle dEaE, ahe-e E-e no suGsaEnces ahEa næ-fe-e w ah ahe andoc- ne Bsæs n Ecco-dEnce w ah RegulEaon aUM2017/2100

12.7. Other adverse effects

o Edve-se effecas

SECTION13. Disposal considerations

13.1. Waste treatment methods

Do noa-euse es eaB conaE ne-s. D seose of ahes n Ecco-dEnce w ah ahe -egulEaons n fo-ce. . nB -es E n ng e-oduca

should Ge d seosed of Ecco-d ng ao Eeel cEGle -egulEaons GB Edd-ess ng ao Euaho- zed cos eEn es.
Recove- f eoss Gle. Oee-Eae Ecco-d ng ao locEl o- nEaonEl -egulEaons

SECTION14. Transport information

14.1. UN number or ID number

oa ncluded n ahe scoee of Eeel cEaon -egulEaons conce-n ng ahe aEnseo-aof dEnge-ous goods: GB -oEd . DRM/GB -El RIDM/GB E- Ir . O / I. l . M/GB seE l) DE M

14.2. UN proper shipping name

one

14.3. Transport hazard class(es)

one

14.4. Packing group

one

14.5. Environmental hazards

one

14.6. Special precautions for user

o dEaE EvE lEGle.

14.7. Maritime transport in bulk according to IMO instruments

Ia s noa nænded ao cE--B Gulk

SECTION15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ra EUL. l IO ar M1907/2006 Ra. r HM- . nne0 XI1, . nne0 X1 II Es Es ended.
Ra EUL. l IO ar M1272/200 r LPMEs Es ended.
r O)) I IO DaLaE. l aD Ra EUL. l IO aUM2020/11 2
r O)) I IO DaLaE. l aD Ra EUL. l IO aUM2021/643
r O)) I IO DaLaE. l aD Ra EUL. l IO aUM2021/ 49
r O)) I IO DaLaE. l aD Ra EUL. l IO aUM2022/692
r O)) I IO DaLaE. l aD Ra EUL. l IO aUM2023/1434
r O)) I IO DaLaE. l aD Ra EUL. l IO aUM2023/143e
Ra EUL. l IO aUM 7 /2020 Requ -es enas fo- ahe cos e lEaon of sEfeaB dEaE sheeasM

RaEUL. l IO ar M790/2009, D - 96/ 2/ar Es Es ended.
uGsaEnces n ahe r End dEae L sa Ra . r H . -acle e9M
y Esed on EvE lEGle dEaE, no 1Hr ≥0,1% suGsaEnces E-e e-esena

15.2. Chemical safety assessment

o ches cEl sEfeaB Essesss enawEs cE-- ed ouaGB ahe sueel e-

SECTION16. Other information

16.1. Other information

r lEss f cEaon End e-ocedu-e used ao de- ve ahe clEss f cEaon fo- s 0au-es Ecco-d ng ao RegulEaon ar M1272/200 [r LP]:

o hEzE-d ao -eeo-ar lEss f cEaon e-ocedu-e:r ElculEaon s eahod

y Glog-Eeh c dEaE :
. X 12 ad 1En osa-End Re nhold
) aRr K l Da X 1e ad
ar H. : au-oeeEn r hes cEls . gencB haes://echE.eu-oeE.eu/ al nfo-s Eaon-on-ches cElsM
O H. : au-oeeEn . gencB fo- EfeaB End HeElah EaWo-k
I. Rr : Inae-nEaonEl . gencB fo- ReseE-ch on r Ence-
IPr : Inae-nEaonEl P-og-Es s e on r hes cEl EfeaB r E-dsM
IO H: Reg sa-B of ao0 c effecas of ches cEl suGsaEnces 19 3M
. r E IH: . s e- cEn r onfe-ence of E ove-ns enaEl Indusa- El HBg en sas
l OX al : l o0 cologB DEaE eawo-k
WHO: Wo-ld HeElah O-gEn zEaon
r heLI l : r hes cEl L sas Info-s Eaon Bsaes
E a l l : Inea-nEaonEl L s a1 Elue haes://l s a/Elue. fE.dguv.de/M

. c-onBs s:
- . r E IH . s e- cEn r onfe-ence of E ove-ns enaEl Indusa- El HBg en sas
- . DR . cco-d ea u-oeéen RelEaf Eu l -Enseo-aInae-nEaonEl des) E-chEnd ses DEnge-euses eE- Rouae au-oeeEn Ecco-d -egE-d ng nae-nEaonEl a-Enseo-aof dEnge-ous goods GB lEndM
- Gw GodB we gha
- r LP r lEss f cEaon, LEGell ng End PEckEg ng
- r R r hes cEl EfeaB Reeo-a
- D) aL De- ved) n s El affecaLevel
- D aL De- ved o affecaLevel
- dw d-B we gha
- ar affecave r oncena-Eaon
- l. l . Inae-nEaonEl . - l -Enseo-a. ssoc Eaon
- l) DE Inae-nEaonEl) E- as e DEnge-ous E oods
- Lr LeahEl r oncena-Eaon
- LD LeahEl Dose
- s .w. s oleculE- we gha
- Py l Pe-s saena, y oEccus ulEave End l o0 c
- P ar P-ed caed o affecar oncena-Eaon
- Oar D O-gEn sEaon / Off ce fo- a conos c r o-oee-Eaon End Develoes ena
- l aL ho-al e-s a0eosu-e L s a
- 1Hr uGsaEnce of 1e-B H gh r once-n
- l L1 l h-eshold L s a1 Elue
- l W. l s e We ghaed . ve-Ege
- vPvy ve-B Pe-s saena, ve-B y oEccus ulEave End ao0 c
- WE K WEsse-gefäh-dungsklEsse WEae- hEzE-d clEssM

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l el. 639M02 61012e6
RE0 639M02 610 042

HIGH TECH
LUBRICANTS & ADDITIVES

Factsheet

134008 FRIOL SYNTHETIC
22-32-46-68-80-100-120-150-170-220

Issued on 03/19/2010 - Rel. # 6 on 03/04/2026

Ol Ir a l O U aR

l he nfo-s Eaon conaEned n ah s sheeaE-e GEsed on ahe knowledge EvE lEGle Eaahe dEæ of ahe e-eeE-Eaon of ah s sheea

l he use- s usaGe EwE-e of ahe eoss Gle - sks Essoc Eæd w ah ahe use of ahe e-oduca, oahe- ahEn ahEafo- wh ch ahe e-oduca s sueel ed. l he sheeadoes noae0one-Eæ ahe use- f-os know ng End EeelBng Ell ahe -egulEaons gove-n ng as Ecav aes. l he seaof -egulEaons s enaoned s s s elB ao hele ahe use- ao fulf ll as oGl gEaons -egE-d ng ahe use of hEzE-dous e-oducas.

l h s sheeadoes noae0one-Eæ ahe use- f-os oahe- legEl oGl gEaons ahEn ahose s enaoned End f-os -ules -egulEang eossess on End use of ahe e-oduca, s nce ahe use- s ahe onlB -eseons Gle.

*** l h s sheeasuee-sedes Ell e-ev ous ed aons.