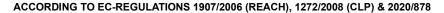
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1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name SuperCorr A
Formulation Number 21002

 UFI Code
 E35V-61ST-G00K-NCEU

 NATO Stock Number
 NATO NSN 8030-99-226-6966

Nanoform This product does not contain nanoparticles

1.2 Relevant identified uses of the substance or mixture

and uses advised against

Identified Use(s)

Anti-corrosion thin film lubricant. For use on electronic circuitry, switchgear, wiring,

metal surfaces by spray application.

Uses Advised Against None known.

1.3 Details of the supplier of the safety data sheet

Company Identification Enviro Tech (Europe) Ltd.

Aissela 46 High Street, Esher, Surrey, KT10 9QY, United Kingdom

Telephone +44 (0) 208 281 6370

E-Mail (competent person) contactenvirotech@envirotech-europe.com

1.4 Emergency telephone number

24 HR. EMERGENCY TELEPHONE NUMBERS NCEC +44 (0) 1270 502891

Languages spoken English

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008 (CLP) Aerosol Category 3; H229

Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H336 Aquatic Chronic 3; H412

2.2 Label elements According to Regulation (EC) No. 1272/2008 (CLP)

Product Name SuperCorr A

Contains: trans -1, 2 Dichloroethylene

Hazard Pictogram(s)



Signal Word(s) WARNING

Hazard Statement(s) H229: Pressurised container: May burst if heated.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H336: May cause drowsiness or dizziness.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s) P261: Avoid breathing mist/vapours/spray.

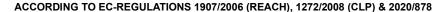
P280: Wear protective gloves/protective clothing/eye protection/face protection. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for

breathing.

P312: Call a POISON CENTER/doctor if you feel unwell.

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention.

Supplemental information EUH209: Can become highly flammable in use.

Label elements according to 75/324/EEC

Labelling Requirements

P210: Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.

P251: Pressurised container - Do not pierce or burn, even after use.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding

50°C/ 122°F.

83 % by mass of the contents are flammable.

2.3 Other hazards None known

3.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration	Hazard Statement(s)
				No.	
trans -1, 2 Dichloroethylene	<85	156-60-5	205-860-2	01-2120093504-55-xxxx	Flam. Liq. 2; H225 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H336 Aquatic Chronic 3; H412
1,1,1,2,2,3,4,5,5,5-Decafluoropentane	<10	138495-42-8	420-640-8	01-2119446695-28-xxxx	Aquatic Chronic 3; H412
Nitrogen	< 3	7727-37-9	231-783-9	Not yet assigned in the supply chain	Press. Gas; H280

Note: For full text of H phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Self-protection of the first aider

Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing mist/vapours/spray. Avoid contact with skin and eyes. Contaminated

clothing should be laundered before reuse.

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel

unwell.

Skin Contact IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.

Wash with plenty of water. If skin irritation or rash occurs: Get medical

advice/attention.

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get

medical advice/attention.

Ingestion IF SWALLOWED: Rinse mouth. Obtain medical attention if symptoms appear or

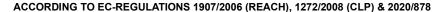
if large quantities have been ingested. Do not induce vomiting unless instructed to do so by medical personnel. Call a POISON CENTER/doctor if you feel unwell.

Causes serious eye irritation. Harmful if inhaled. May cause drowsiness or

dizziness. May be fatal if swallowed and enters airways.

4.2 Most important symptoms and effects, both acute and delayed

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4.3 Indication of any immediate medical attention and

special treatment needed

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES 5.

5.1 Extinguishing media

> Suitable Extinguishing Media Unsuitable extinguishing Media

52 Special hazards arising from the substance or

mixture

5.3 Advice for fire-fighters As appropriate for surrounding fire. Direct water jet may spread the fire.

Not flammable but will support combustion. Can become highly flammable in use. Combustion or thermal decomposition will evolve toxic, irritant and flammable vapours. Combustion products: Carbon monoxide, Carbon dioxide, Hydrogen fluoride, Fluorinated hydrocarbons, Carbonyl halides, Hydrogen chloride.

Liquid Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. Can form explosive mixture with air.

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers. Take precautionary measures against static discharges.

SECTION 6: ACCIDENTAL RELEASE MEASURES 6.

6.1 Personal precautions, protective equipment and emergency procedures

Large spillages:

6.2 **Environmental precautions**

6.3 Methods and material for containment and cleaning au

Caution - spillages may be slippery. Ensure operatives are trained to minimise exposures. Ensure suitable personal protection during removal of spillages. Eliminate sources of ignition. Shut off leaks if without risk. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing mist/vapours/spray. Evacuate the area and keep personnel upwind.

Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.

Allow small spillages to evaporate provided there is adequate ventilation. Do not pierce or burn container, even after use. Containers of this material may be hazardous when empty since they retain product residue.

Provided it is safe to do so, isolate the source of the leak. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Dispose of this material and its container as hazardous waste. Allow small spillages to evaporate provided there is adequate ventilation. Take precautionary measures against static discharges.

See Section: 8,13

6.4 Reference to other sections

SECTION 7: HANDLING AND STORAGE 7.

7.1 Precautions for safe handling

ventilation. Avoid breathing mist/vapours/spray. Do not expose to temperatures exceeding 50°C/ 122°F. In case of inadequate ventilation wear respiratory protection. Avoid contact with skin and eyes. Wear protective gloves/eye protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any

incompatibilities

Storage temperature

Storage life Incompatible materials

7.3 Specific end use(s) Ensure operatives are trained to minimise exposures. Ensure adequate

Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Opened containers should be carefully resealed and stored in an upright position.

Keep cool Protect from sunlight

Stable under normal conditions. 5 Year(s) (Refer to container labels.)

Keep away from: Strong oxidising agents. Strong acids and alkali. Alkali metals.

Alkaline earth metals. Potassium hydroxide

See Section: 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION 8.

8.1 **Control parameters**

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8.1.1 Occupational Exposure Limits

Users are advised to consider national Occupational Exposure Limits or other equivalent values.

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Propan-2-ol	67-63-0	400	999	500	1250	WEL

Source: Workplace Exposure Limit (UK HSE EH40), IOELV: Indicative Occupational Exposure Limit Value

8.1.2 Biological limit value

Not established.

8.1.3 PNECs and DNELs

Not yet assigned in the supply chain

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Local exhaust recommended. Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values. Vapour is heavier than air therefore low level extraction is recommended.

8.2.2 Individual protection measures, such as personal protective equipment (PPE)

Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke at the work place.

Eye/face protection



Use eye protection according to EN 166, designed to protect against liquid splashes.

Skin protection



Hand protection: Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse. Breakthrough time of the glove material: refer to the information provided by the gloves' producer. Protective index 4, corresponding > 120 minutes of permeation time according to EN 374. Recommended: Fluorinated rubber - FKM (Minimum thickness: 0.4mm)

Materials to avoid: Butyl rubber, Polychloroprene - CR, Nitrile rubber, Polyvinyl chloride - PVC

Skin protection: Wear suitable coveralls to prevent exposure to the skin.

Respiratory protection



Not normally required. In case of insufficient ventilation, wear suitable positive pressure respiratory protection equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.

Thermal hazards No specific measures identified.

8.2.3 Environmental Exposure Controls Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State Colour Odour Low Viscosity liquid Dark Brown Sweet organic solvent

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ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878



Odour Threshold Not established
pH Neutral
Malting Point/Freezing Point

Melting Point/Freezing Point -50°C Initial boiling point and boiling range 43 °C

Flash point Not applicable - Non-flammable Aerosol

Auto-ignition temperature

Decomposition temperature

Evaporation Rate

Flammability (solid, gas)

Not relevant

Liner/lower flammability or explosive limits

Liner/lower flammability or explosive limits

Upper/lower flammability or explosive limits

UEL: 14.0%

LEL: 7.0%

Vapour pressure 51.7 Kpa @ 25°C
Vapour density Not established
Relative density 1.24 @ 20°C

Solubility(ies) Slightly soluble in: Water

Partition coefficient: n-octanol/water Not established
Auto-ignition temperature Not established
Decomposition Temperature Not established
Kinematic Viscosity Not established

Explosive properties Can form explosive mixture with air. Vapours are heavier than air and may travel

considerable distances to a source of ignition and flashback.

Oxidising properties Not oxidising

9.2 Other information None known

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity Stable under normal conditions.
 10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions Stable under normal conditions. Can form explosive mixture with air. Vapours are

heavier than air and may travel considerable distances to a source of ignition and

flashback

10.4 Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking. Keep from direct sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. Do not spray on an open flame or other ignition source. Keep away from: Strong oxidising agents. Strong acids and alkali. Alkali metals.

Alkaline earth metals. Potassium hydroxide

10.6 Hazardous decomposition product(s) None anticipated. Combustion products: Carbon monoxide, Carbon dioxide,

Hydrogen fluoride, Fluorinated hydrocarbons, Carbonyl halides, Hydrogen

chloride.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Hazzard classes as defined in

Regulation (EC) No 1272/2008 Acute toxicity - Ingestion

Acute toxicity - Inhalation

Incompatible materials

10.5

trans -1, 2 Dichloroethylene
Acute toxicity - Skin Contact

Skin corrosion/irritation Serious eye damage/irritation trans -1, 2 Dichloroethylene

Respiratory or skin sensitization

Germ cell mutagenicity
Carcinogenicity
Reproductive toxicity

Mixture: Based upon the available data, the classification criteria are not met.

Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw

Mixture: Acute Tox. 4; H332: Harmful if inhaled.

Acute Toxicity Estimate Mixture Calculation: LC50 >20 mg/l Vapour Acute Tox. 4; H332: Harmful if inhaled. Harmonised Classification Mixture: Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw

Mixture: Based upon the available data, the classification criteria are not met.

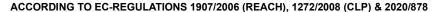
Mixture: Eye Irrit. 2; H319: Causes serious eye irritation.

Eye Irrit. 2; Causes serious eye irritation. Irritating to eyes. (rabbit) (OECD 405)

Mixture Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met. Mixture: Based upon the available data, the classification criteria are not met.

Mixture: Based upon the available data, the classification criteria are not met.

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STOT - single exposure Mixture: STOT SE 3; May cause drowsiness or dizziness. trans -1. 2 Dichloroethylene STOT SE 3. H366: May cause drowsiness or dizziness.

> Expert judgement and weight of evidence. Observations relevant to classification. (rat) (OECD 403) (ECHA registration dossier)

STOT - repeated exposure Mixture: Based upon the available data, the classification criteria are not met. **Aspiration hazard**

Mixture: Based upon the available data, the classification criteria are not met.

11.2 Information on other Hazzards 11.2.1

11.2.2

12 4

Endocrine disrupting properties This product does not contain a substance that has endocrine disrupting

properties with respect to humans as no components meet the criteria.

Other information None Known

SECTION 12: ECOLOGICAL INFORMATION 12.

1,1,1,2,2,3,4,5,5,5-Decafluoropentane

12.1 **Toxicity** Aquatic Chronic 3; Harmful to aquatic life with long lasting effects.

Estimated LC50 (Mixture): > 10 to < 100 mg/l. trans -1, 2 Dichloroethylene Aquatic Chronic 3; Harmful to aquatic life with long lasting effects.

Short Term (acute): LC50 (Daphnia magna) 220 mg/l (48 hours) (LeBlanc GA

1980)

Long Term (Chronic): No data

1,1,1,2,2,3,4,5,5,5-Decafluoropentane Aquatic Chronic 3; Harmful to aquatic life with long lasting effects. Harmonised

Classification

Short Term (acute): LC50 (fish) mg/l 27.2 (OECD 203)

Long Term (Chronic): Aquatic invertebrates:

EC50 adult mortality = 6.17 mg/L EC50 reproduction ≥4.19, but <9.1 mg/L NOEC reproduction = 1.72 mg/L LOEC reproduction = 4.19 mg/L

(OECD 211)

12.2 Persistence and degradability No data for the mixture as a whole.

Trans -1, 2 Dichloroethylene Slow biodegradative activity concomitant with relatively moderate rate of

volatilization - 28d (OECD 301 D) Not biodegradable. (OECD 301 D)

Nitrogen No data

12.3 Bioaccumulative potential No data for the mixture as a whole.

trans -1, 2 Dichloroethylene The substance has low potential for bioaccumulation. Log Kow: 2.06 1,1,1,2,2,3,4,5,5,5-Decafluoropentane The substance has low potential for bioaccumulation. Log Kow: 2.7

No data Nitrogen Mobility in soil

No data for the mixture as a whole. trans -1, 2 Dichloroethylene The substance is predicted to have moderate mobility in soil. Solubility (Water):

6.3 g/L @ 25°C

1,1,1,2,2,3,4,5,5,5-Decafluoropentane The substance is predicted to have high mobility in soil. The product is volatile

and will partition into the atmosphere.

Nitrogen No data

Results of PBT and VPVB assessment 12.5 Not classified as PBT or vPvB.

12.6 **Endocrine disrupting properties** This product does not contain a substance that has endocrine disrupting

properties with respect to non-targeted organisms as no components meet the

criteria

12.7 Other adverse effects None Known

SECTION 13: DISPOSAL CONSIDERATIONS 13.

13.1 Waste treatment methods

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Disposal should be in accordance with local, state or national legislation. Do not pierce or burn container, even after use. Make sure that packaging is completely empty before recycling. Containers of this material may be hazardous when empty since they retain product residue.

Waste classification according to Directive 2008/98/EC

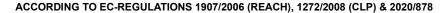
(Waste Framework Directive)

HP 4: Irritant - skin irritation and eye damage

HP 5: Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 6: Acute toxicity HP 14: Ecotoxic

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14. SECTION 14: TRANSPORT INFORMATION

		ADR/RID	IMDG	IATA/ICAO
14.1	UN number	UN1950	UN1950	UN1950
14.2	UN proper shipping name	AEROSOLS, Non-	AEROSOLS, Non-	AEROSOLS, Non-
		flammable	flammable	flammable
14.3	Transport hazard class(es)	2.2 Code 5A	2.2 EmS F-C, S-U	2.2
14.4	Packing group	Not applicable	Not applicable	Not applicable
14.5	Environmental hazards	Not classified	Not classified as a Marine	Not classified
			Pollutant.	
14.6	Special precautions for user	See Section: 2		
14.7	Transport in bulk according to Annex II of	No information available.	No information available.	No information available.
	MARPOL73/78 and the IBC Code			
14.8	Maritime transport in bulk according to IMO	Not applicable		
	instruments			
14.9	Additional Information	None Known		

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental

regulations/legislation specific for the substance or mixture

15.1.1 EU regulations

Authorisations and/or Restrictions On Use

trans -1, 2 Dichloroethylene

Entry 40: Restricted in aerosol dispensers intended for supply to the general public

for entertainment and decorative purposes. trans -1, 2 Dichloroethylene: Annex 1 - Part 1 - (Categories of dangerous

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-

substances)

hazards involving dangerous substances [Seveso-Directive]

trans -1, 2 Dichloroethylene: Annex II - Air polluting substance

Directive 2010/75/EU on industrial emissions To Follow:

Directive 98/24/EC of 7th April 1998 on the protection of the health and safety of

workers from the risks related to chemical agents at work

F-Gas (Fluorinated Greenhouse Gases) Regulation

1,1,1,2,2,3,4,5,5,5-Decafluoropentane Annex I, Section 1: Hydrofluorocarbons (HFCs); GWP = 1640

15.1.2 National regulations

Germany Water hazard class: 2 (self classification)

15.2 Chemical Safety Assessment A chemical safety assessment is not required under REACH.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Change from Carbon dioxide to Nitrogen. Please review SDS with care. – V12

References:

Safety Data Sheets for ingoing ingredients.

Harmonised Classification and Existing ECHA registration(s) for trans -1, 2 Dichloroethylene (CAS No. 156-60-5); 1,1,1,2,2,3,4,5,5,5-Decafluoropentane (CAS No. 138495-42-8) and the Classification and Labelling Inventory for Carbon dioxide (CAS No. 124-38-9)

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Aerosol Category 3; H229	Test Result
Eye Irrit. 2; H319	Threshold Calculation
Acute Tox. 4; H332	Acute Toxicity Estimate Mixture Calculation
STOT SE 3; H336	Threshold Calculation
Aquatic Chronic 3; H412	Summation Calculation

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ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878



LEGEND

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
AND ADN: European Agreement on the International Transport of Dangerous Goods by inland Waterways
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

EC50 Half maximal effective concentration
IATA International Air Transport Organisation
ICAO International Civil Aviation Organisation
IMDG International Maritime Dangerous Goods
Kow Partition coefficient: n-octanol/water

LC50 Lethal concentration at which 50% of the population is killed

LD50 Lethal dose at which 50% of the population is killed

LTEL Long Term Exposure Limit
STEL Short Term Exposure Limit
DNEL Derived No Effect Level

PNEC Predicted No Effect Concentration

PBT PBT: Persistent, Bioaccumulative and Toxic

REACH Regestration, Evaluation, Authorisation and Restriction of Chemicals

RID Regulations concerning the international railway transport of dangerous goods

vPvB vPvT: very Persistent and very Toxic

Hazard classification / Classification code:

Press. Gas; Pressurised gas

Aerosol Category 3; Aerosol, Category 3 Flam. Liq. 2; Flammable Liquid, Category 2 Eye Irrit. 2; Eye Irritation, Category 2 Acute Tox. 4; Acute toxicity, Category 4

STOT SE 3; Specific target organ toxicity — single exposure, Category 3

Aquatic Chronic 3; Hazardous to the aquatic environment, Chronic,

Category 3

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Hazard Statement(s)

H280: Contains gas under pressure; may explode if heated.

H229: Pressurised container: May burst if heated.

H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H336: May cause drowsiness or dizziness.

H412: Harmful to aquatic life with long lasting effects.

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Annex to the extended Safety Data Sheey (e SDS)

Exposure scenarios for substances in this preparation are not available.