2015/830 - Europe



## SAFETY DATA SHEET

**TEMASPRAY 1C** 

# SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name : TEMASPRAY 1C

**Product description**: Femaprime EE, Temaprime EUR, Temaprime GF, Temaprime ML, Temalac FD 20,

Temalac FD 50, Temalac FD 80, Temalac ML 90, Temalac AB 70, Temanyl PVB,

Miranol, Unica, Empire.

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

Recommended use: Painting work

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer or Distributor** 

Tikkurila Oyj P.O. Box 53 FI-01301 VANTAA

**FINLAND** 

Telephone +358 20 191 2000

e-mail address of person : Tikkurila Oyj, responsible for this SDS : Product Safety,

e-mail: productsafety@tikkurila.com

#### 1.4 Emergency telephone number

Telephone number : 112 (24h)

**Supplier or Manufacturer** 

Telephone number : √ikkurila Oyj

+358 20 191 2000 (GMT +2) Mon-Fri 8-16

#### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Kerosol 1, H222, H229 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 STOT RE 2, H373 Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

#### 2.2 Label elements

Hazard pictograms









Signal word : Danger

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Hazard statements : H222 - Extremely flammable aerosol.

H229 - Pressurized container: may burst if heated.

H319 - Causes serious eve irritation.

H315 - Causes skin irritation.

H336 - May cause drowsiness or dizziness.

H373 - May cause damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

**Precautionary statements** 

General : Not applicable.

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

sources. No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use. P261 - Avoid breathing mist/vapors/spray. P273 - Avoid release to the environment. P280 - Wear protective gloves/clothing.

P284 - In case of inadequate ventilation wear respiratory protection.

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

Remove contact lenses, if present and easy to do. Continue rinsing.

Storage : P410 - Protect from sunlight.

P412 - Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal : Not applicable.

Hazardous ingredients : acetone

hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Supplemental label

elements

: Contains ethyl methyl ketoxime. May produce an allergic reaction.

#### 2.3 Other hazards

Other hazards which do not result in classification

: None known.

## SECTION 3: Composition/information on ingredients

#### 3 2 Mixtures • Mixture

			<b>Classification</b>	
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Notes
<b>ac</b> etone	REACH #: 01-2119471330-49 EC: 200-662-2 CAS: 67-64-1 Index: 606-001-00-8	≥25 - ≤50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	-
propane	REACH #: 01-2119486944-21 EC: 200-827-9 CAS: 74-98-6	≥25 - ≤50	Flam. Gas 1, H220 Press. Gas (Comp.), H280	-
butane	REACH #: 01-2119474691-32 CAS: 106-97-8	≥10 - ≤25	Flam. Gas 1, H220 Press. Gas (Comp.), H280	-
Reaction mass of m-xylene, o-xylene, p-xylene and ethylbenzene	REACH #: 01-2119488216-32, 01-2119555267-33 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥2,5 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304	С
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	REACH #: 01-2119463258-33 EC: 919-857-5 CAS: -	≤25	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	H,P
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≤25	Flam. Liq. 3, H226 STOT SE 3, H336	-

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hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	REACH #: 01-2119458049-33 EC: 919-446-0 CAS: -	≤5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 (central nervous system (CNS)) Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	,P
hydrocarbons, C9, aromatics	REACH #: 01-2119455851-35 EC: 918-668-5 CAS: -	≤3	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	,P
trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≤3	Aquatic Acute 1, H400 (M=1) - Aquatic Chronic 1, H410 (M=1)	
n-butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≤3	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	
ethyl methyl ketoxime	REACH #: 01-2119539477-28 EC: 202-496-6 CAS: 96-29-7 Index: 616-014-00-0	≤0.3	Acute Tox. 4, H312 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351 See Section 16 for the full text of the H statements declared above.	

The REACH numbers of Reaction mass of m-xylene and o-xylene and p-xylene and ethylbenzene are 01-2119488216-32 and 01-2119555267-33.

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General

General	safety data sheet or label to the doctor if possible.
Eye contact	<ul> <li>Check for and remove any contact lenses. Immediately flush eyes with plenty of lukewarm water, keeping eyelids open. Continue to rinse for at least 15 minutes. Get medical attention if symptoms occur.</li> </ul>
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
Skin contact	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>
Ingestion	: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Remove to fresh air and keep

: In all cases of doubt, or when symptoms persist, seek medical attention. Show this

at rest in a position comfortable for breathing. Do NOT induce vomiting.

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

May cause damage to organs through prolonged or repeated exposure.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

See Section 11 for more detailed information on health effects and symptoms.

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#### contains:

ethyl methyl ketoxime

May produce an allergic reaction.

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

None.

## **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire. Recommended: Alcohol resistant foam, CO<sub>2</sub>, powders or water spray/mist.

Unsuitable extinguishing media

: Do not use a direct water jet that could spread the fire.

#### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: Extremely flammable aerosol. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Hazardous combustion products

: When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

#### 5.3 Advice for firefighters

Special protective actions for fire-fighters

: Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. This material is hazardous to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

: Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Avoid breathing vapor or mist. Avoid direct skin contact with product. See Section 8 for information on appropriate personal protective equipment.

6.2 Environmental precautions

: Hazardous to aquatic environment. Do not allow to enter drains, water courses or soil.

6.3 Methods and materials for containment and cleaning up

: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with a detergent. Avoid using solvents.

6.4 Reference to other sections

: See Section 1 for emergency contact information. See Section 13 for additional waste treatment information.

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## **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not spray on a naked flame or any incandescent material. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. Isolate from sources of heat, sparks and open flame. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. No sparking tools should be used.

Skin contact with the product and exposure to spray mist and vapor should be avoided. Avoid inhalation of dust from sanding. Wear appropriate respirator when ventilation is inadequate. See Section 8 for information on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product. Avoid release to the environment.

**Risk of self-ignition!** Materials such as cleaning rags and paper wipes, sanding dust and overspray containing the product, may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be placed in a metal container filled with water and sealed or dried preferably outdoors or incinerated immediately. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

# 7.2 Conditions for safe storage, including any incompatibilities

: Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Store and use away from heat, sparks, open flame or any other ignition source. No smoking. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Recommended storage temperature is +5°C ...+25°C. Store in accordance with local regulations.

#### 7.3 Specific end use(s)

: None.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
acetone	EU OEL (Europe, 12/2017). Notes: list of indicative occupational exposure limit values TWA: 500 ppm 8 hours. TWA: 1210 mg/m³ 8 hours.
Reaction mass of m-xylene, o-xylene, p-xylene and ethylbenzene	EU OEL (Europe, 12/2017). Absorbed through skin. Notes: list of indicative occupational exposure limit values  TWA: 50 ppm 8 hours.  TWA: 221 mg/m³ 8 hours.  STEL: 100 ppm 15 minutes.  STEL: 442 mg/m³ 15 minutes.
1-methoxy-2-propanol	EU OEL (Europe, 12/2017). Absorbed through skin. Notes: list of indicative occupational exposure limit values  TWA: 100 ppm 8 hours.  TWA: 375 mg/m³ 8 hours.  STEL: 150 ppm 15 minutes.  STEL: 568 mg/m³ 15 minutes.

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#### Additional information

Ethylbenzene

EU OEL (Europe, 12/2009). Absorbed through skin.

TWA: 100 ppm 8 hours. TWA: 442 mg/m<sup>3</sup> 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m3 15 minutes.

Please check your local legislation for national OEL value for ethylbenzene.

procedures

Recommended monitoring : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**DNELs/DMELs** 

No DNELs/DMELs available.

**PNECs** 

No PNECs available.

#### 8.2 Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof ventilation equipment. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn (see Personal protection). Comply with the health and safety at work laws.

#### Individual protection measures

Eye/face protection

: Use safety eyewear designed to protect against splash of liquids (EN166).

Hand protection

: Wear protective gloves. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Recommended glove material (EN374): < 1 hour (breakthrough time): nitrile rubber

> 8 hours (breakthrough time): fluor rubber, laminated foil Not recommended: PVC or natural rubber (latex) gloves

Skin protection

: Wear suitable protective clothing. This product is classified as flammable. If necessary, personnel should wear antistatic clothing made of natural fibers or of high-temperature-resistant synthetic fibers.

Respiratory protection

: If ventilation is inadequate, use respirator that will protect against organic vapor and dust/mist. During spray-application use respirators with combination filter A/P3 (EN405:2001). Wear a half mask or full face respirator with gas and vapor filter A and dust filter P2 during sanding (EN140:1998, EN405:2001). During continuous and long-term work the use of motor-driven or air-fed respirators is recommended (EN12941:1998). Be sure to use an approved/certified respirator or equivalent. Check that mask fits tightly and change filter regularly.

**Environmental exposure** 

controls

: For information regarding environmental protection measures, please refer to section 13 for waste handling, section 7 for handling and storage and section 1.2 for relevant identified uses of the substance or mixture and uses advised against.

## SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state : Liquid. Color : Various Odor : Strona.

**Odor threshold** : Not relevant for the hazard assessment of the product. pН : Not relevant for the hazard assessment of the product.

Melting point/freezing point Initial boiling point and

: -187.6°C (propane) : -161.48°C (propane)

boiling range

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: <-18 °C Flash point

: Not relevant due to the nature of the product. **Evaporation rate** 

Flammability (solid, gas) : Not applicable. Product is a liquid.

Upper/lower flammability or

: Lower: 1.8% (propane) explosive limits Upper: 8.4% (propane)

Vapor pressure : 840 kPa [room temperature] (propane)

Vapor density 1.6 (propane) **Density** : 0.7 g/cm<sup>3</sup>

Solubility(ies) : insoluble in water.

Partition coefficient: n-octanol/ : Not available.

water

**Auto-ignition temperature** : 287°C (propane)

**Decomposition temperature** : Not relevant for the hazard assessment of the product. **Viscosity** : Not relevant for the hazard assessment of the product.

**Explosive properties** : No explosive ingredients present. Oxidizing properties : No oxidizing ingredients present.

9.2 Other information

Type of aerosol : Spray **Heat of combustion** : 26.48 kJ/g

## SECTION 10: Stability and reactivity

: See Section 10.5. 10.1 Reactivity

: Stable under recommended storage and handling conditions (see Section 7). 10.2 Chemical stability

10.3 Possibility of hazardous reactions : In a fire or if heated, a pressure increase will occur and the container may burst.

10.4 Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Protect from sunlight and do

not expose to temperatures exceeding 50 °C.

10.5 Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions:

> oxidizing agents strong acids strong alkalis

10.6 Hazardous decomposition products : When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

## SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

There is no testdata available on the product itself.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting.

**Acute toxicity** 

Not classified.

Irritation/Corrosion

Causes skin irritation. Causes serious eye irritation.

Version : 2 Sensitization

Contains small amounts of sensitizing substances:

ethyl methyl ketoxime

Mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.

**Teratogenicity** 

Not classified.

Specific target organ toxicity (single exposure)

May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure)

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** 

Not classified.

## **SECTION 12: Ecological information**

Ecological testing has not been conducted on this product.

Do not allow to enter drains, water courses or soil.

The product is classified as environmetally hazardous according to Regulation (EC) 1272/2008.

Toxic to aquatic life with long lasting effects.

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
ydrocarbons, C9, aromatics	LC50 1 mg/l	Fish	96 hours
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	LC50 5 mg/l	Fish	96 hours
trizinc bis(orthophosphate)	Acute EC50 0.8 mg/l	Algae	72 hours

# 12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
ydrocarbons, C9, aromatics	-	78 % - 28 0	lays	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
ydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-		-		Readily	
hydrocarbons, C9, aromatics	-		-		Readily	
acetone	-		-		Readily	

# 12.3 Bioaccumulative potential

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Product/ingredient name	LogP <sub>ow</sub>	Bioconcentration factor [BCF]	Potential
thyl methyl ketoxime	0.63	2.5 to 5.8	low
n-butyl acetate	2.3	-	low
trizinc bis(orthophosphate)	-	60960	high
-methoxy-2-propanol	<1	-	low
Reaction mass of m-xylene, o-xylene, p-xylene and ethylbenzene	3.12	8.1 to 25.9	low
oropane	1.09	-	low

#### 12.4 Mobility in soil

acetone

Soil/water partition coefficient (K<sub>oc</sub>)

: Not available.

-0.23

Mobility : Not available.

#### 12.5 Results of PBT and vPvB assessment

PBT : Not applicable. vPvB : Not applicable.

12.6 Other adverse effects : Not available.

### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

**Product** 

Methods of disposal

: Liquid residue and cleaning liquids are hazardous waste and must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be left at special companies which have permission for gathering this kind of wastes.

low

#### European waste catalogue (EWC)

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

### **Packaging**

**Methods of disposal** : Empty packaging should be disposed of in accordance with national regulations.

Special precautions : None.

## **SECTION 14: Transport information**

	ADR/RID	IMDG	IATA
14.1 UN number	UN1950	UN1950	UN1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, flammable
14.3 Transport hazard class(es)	2	2.1	2.1

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14.4 Packing group	-	-	-
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.

#### **Additional information**

ADR/RID : The environmentally hazardous substance mark is not required when transported in

sizes of  $\leq 5$  L or  $\leq 5$  kg. **Tunnel code** (D)

**IMDG**: The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

**Emergency schedules** F-D,S-U

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IATA : The environmentally hazardous substance mark may appear if required by other

transportation regulations.

14.6 Special precautions for

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usei

: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in

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the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

: Not available.

## **SECTION 15: Regulatory information**

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

EU Regulation (EC) No. 1907/2006 (REACH)

Other EU regulations

**Europe inventory** : Not determined.

Industrial emissions : Listed

(integrated pollution prevention and control) -

Air

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
ethyl methyl ketoxime	Carc. 2, H351	-	-	-

Aerosol dispensers

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Extremely flammable

Drug precursors : This product contains following subtance(s) that are listed in Annex I / Category 3 of

the EU Regulation (EC) No 273/2004 on drug precursors:

acetone

**Explosives precursors**: This product contains following subtance(s) that are listed in Annex II of the EU

Regulation (EC) No 98/2013 on explosives precursors:

acetone

15.2 Chemical Safety Assessment

: This product contains substances for which Chemical Safety Assessments are still

required.

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#### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification

Justification

Acrosol 1, H222, H229On basis of test dataSkin Irrit. 2, H315Calculation methodEye Irrit. 2, H319Calculation methodSTOT SE 3, H336Calculation methodSTOT RE 2, H373Calculation methodAquatic Chronic 2, H411Calculation method

Full text of abbreviated H statements

: F220 Extremely flammable gas.

Extremely flammable aerosol. Pressurized container: may burst if heated.

H222, H229

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.H411 Toxic to aquatic life with long lasting effects.

sifications · Moute Toy 4 H312 A

Full text of classifications [CLP/GHS]

Acute Tox. 4, H312 ACUTE TOXICITY (dermal) - Category 4
Acute Tox. 4, H332 ACUTE TOXICITY (inhalation) - Category 4

Aerosol 1, H222, H229 AEROSOLS - Category 1

Aquatic Acute 1, H400 AQUATIC HAZARD (ACUTE) - Category 1
Aquatic Chronic 1, H410 AQUATIC HAZARD (LONG-TERM) - Category 1
Aquatic Chronic 2, H411 AQUATIC HAZARD (LONG-TERM) - Category 2

Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1 Carc. 2, H351 CARCINOGENICITY - Category 2

EUH066 Repeated exposure may cause skin dryness or cracking.
Eye Dam. 1, H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Flam. Gas 1, H220 FLAMMABLE GASES - Category 1
Flam. Liq. 2, H225 FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3

Press. Gas (Comp.), GASES UNDER PRESSURE - Compressed gas

H280

Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2

Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1

STOT RE 1, H372 SPECIFIC TARGET ORGAN TOXICITY (REPEATED

EXPOSURE) - Category 1

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED

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EXPOSURE) - Category 2

STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE

EXPOSURE) (Narcotic effects) - Category 3

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revision

: 6/10/2017

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#### Notice to reader

This Safety Data Sheet is prepared in accordance with Annex II (EU) No 830/2015 to Regulation (EC) No 1907/2006 (REACH). The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

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