

### Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations
Issue date: 25/01/2017 Revision date: 15/01/2020 Supersedes: 3/05/2019 Version: 3.0

## **SECTION 1: Product identifier**

#### 1.1. GHS Product identifier

Product form : Mixture

Trade name : SYSTEM 20 HS SOLID GLOSS BLACK (2:1)

Product code : \$20610/1, \$20610/5

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Coating

Restrictions on use : Consumer uses: Private households (= general public = consumers)

#### 1.4. Details of manufacturer or importer

Supplier Supplier

U-POL Australia Pty Limited Ltd

U-POL New Zealand Limited Ltd

55 Leland Street c/o Lindsay & Associates Unit H, 12 Amera Place, East Tamaki

Penrith NSW 2750 Manukau City Auckland 2013

Australia New Zealand

T 02 4731 2655 - F 02 4731 2611 T + 612 4731 2655 / 027 630 3691 - F + 612 4731 2611

info@u-pol.com.au - www.u-pol.com info@u-pol.co.nz - www.u-pol.com

#### 1.5. Emergency phone number

Emergency number : Australia (CHEMTREC): + (61) - 290372994 ; New Zealand (National Poisons Centre):

0800 764 766

## **SECTION 2: Hazard identification**

## 2.1. Classification of the hazardous chemical

#### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 3 H226
Skin corrosion/irritation, Category 2 H315
Specific target organ toxicity – Single exposure, Category 3, Narcosis H336

#### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU)





Flame

Exclamation

Signal word (GHS AU) : Warning

Hazard statements (GHS AU)

Contains : n-butyl acetate (< 30 %); hydrocarbons, C9, aromatics (< 30 %); 4-methylpentan-2-one;

isobutyl methyl ketone (< 10 %)
: H226 - Flammable liquid and vapour

H315 - Causes skin irritation

H336 - May cause drowsiness or dizziness

Precautionary statements (GHS AU) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking. heat, hot surfaces, open flames, sparks P261 - Avoid breathing fume, spray, vapours. P264 - Wash hands thoroughly after handling.

P332+P313 - If skin irritation occurs: Get medical attention.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### **SECTION 3: Composition and information on ingredients**

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
n-butyl acetate	123-86-4	< 30	Flam. Liq. 3, H226 STOT SE 3, H336
hydrocarbons, C9, aromatics	64742-95-6	< 30	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304
4-methylpentan-2-one; isobutyl methyl ketone	108-10-1	< 10	Flam. Liq. 2, H225 Acute Tox. 5 (Oral), H303 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335
Other substances (not contributing to the classification of this product)	-	69.96 – 87.32	-

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

#### 4.1. Description of necessary first-aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a

doctor if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin

irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

#### 4.2. Symptoms caused by exposure

Symptoms/effects : May cause drowsiness or dizziness. Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Irritation.

## 4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

## **SECTION 5: Fire-fighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

## 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapour. Hazardous decomposition products in case of fire : Toxic fumes may be released.

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#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

Hazchem Code : \* 3Y

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing

vapours, fume, spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and materials for containment and cleaning up

For containment : Contain released product, collect/pump into suitable containers. Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

public waters.

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

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing vapours, fume,

spray. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this

product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Storage temperature : < 25 °C

Storage area : Store in a well-ventilated place. Special rules on packaging : Keep only in original container.

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

#### 8.1. Control parameters - exposure standards

n-butyl acetate (123-86-4)	
Australia - Occupational Exposure Limits	
Local name	n-Butyl acetate
OES TWA [1]	713 mg/m³
OES TWA [2]	150 ppm

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n-butyl acetate (123-86-4)			
OES STEL	950 mg/m³		
OES STEL [ppm]	200 ppm		
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)		
New Zealand - Occupational Exposure Limits			
Local name	n-Butyl acetate		
WES-TWA (OEL TWA) [1]	713 mg/m³		
WES-TWA (OEL TWA) [2]	150 ppm		
WES-STEL (OEL STEL)	950 mg/m³		
WES-STEL (OEL STEL) [ppm]	200 ppm		
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition		
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)			
Australia - Occupational Exposure Limits			
Local name	Methyl isobutyl ketone (MIBK; 4-Methyl-2-pentanone; Hexone)		
OES TWA [1]	205 mg/m³		
OES TWA [2]	50 ppm		
OES STEL	307 mg/m³		
OES STEL [ppm]	75 ppm		
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)		
New Zealand - Occupational Exposure Limits	New Zealand - Occupational Exposure Limits		
Local name	Methyl isobutyl ketone (Hexone)		
WES-TWA (OEL TWA) [1]	205 mg/m³		
WES-TWA (OEL TWA) [2]	50 ppm		
WES-STEL (OEL STEL)	307 mg/m³		
WES-STEL (OEL STEL) [ppm]	75 ppm		
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition		
New Zealand - Biological Exposure Indices			
Local name	Methyl isobutyl ketone (MIBK)		
BEI	0.7 mg/l Parameter: MIBK - Medium: Urine - Sampling time: End of shift		
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition		

## 8.2. Biological Monitoring

No additional information available

## 8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

## 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Gas mask. Gloves. Protective clothing. Safety glasses.

Materials for protective clothing: Impermeable clothingHand protection: Protective glovesEye protection: Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection. Air-fed respiratory protective

equipment should be worn when this product is sprayed

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#### Personal protective equipment symbol(s)









Environmental exposure controls : Avoid release to the environment.

#### **SECTION 9: Physical and chemical properties**

Physical state : Liquid

Appearance : Viscous. Liquid.

Colour : Black
Odour : aromatic

Odour threshold : No data available pH : No data available Relative evaporation rate (butylacetate=1) : No data available Melting point / Freezing point : No data available Boiling point : No data available : No data available

Flash point : 27 °C

Auto-ignition temperature : No data available Flammability : No data available Vapour pressure : No data available Relative density : No data available : No data available

Density : Density: 1.01 (1 – 1.02) g/cm<sup>3</sup>

Solubility : insoluble in water. soluble in most organic solvents.

Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : 1237.624 mm²/s
Viscosity, dynamic : 1250 (1150 – 1350) cP
Explosive properties : No data available
Explosive limits : No data available
Minimum ignition energy : No data available

VOC content : 403 g/l

VOC content - Regulatory : No data available

Percent Solids : 0 wt%

#### **SECTION 10: Stability and reactivity**

Reactivity : Flammable liquid and vapour.
Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.

Conditions to avoid : Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of

ignition.

Incompatible materials : No additional information available

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not

be produced.

## **SECTION 11: Toxicological information**

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

n-butyl acetate (123-86-4)	
LD50 oral rat	10760 – 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat)

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Experimental value, Dermal, 14 day(s))  LC50 Inhalation - Rat (Vapours)  ATE AU (oral)  2080 mg/kg bodyweight  ATE AU (gases)  4500 ppmv/4h  ATE AU (yapours)  10 mg/l/4h  ATE AU (dust,mist)  1.5 mg/l/4h  hydrocarbons, C9, aromatics (64742-95-6)  LD50 oral rat  8400 ml/kg  LD50 dermal rabbit  3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/fems  LC50 Inhalation - Rat [ppm]  3400 ppm/4h  LC50 Inhalation - Rat (Vapours)  > 5 mg/l/4h  Skin corrosion/irritation  Serious eye damage/irritation  Not classified  Respiratory or skin sensitisation  Not classified  Serro-classified  Serro-classified  Serro-classified  Way cause drowsiness or dizziness.  Naviouse exposure  May cause drowsiness or dizziness.  A-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  STOT-repeated exposure  Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)	n-butyl acetate (123-86-4)	
ATE AU (gases)  ATE AU (gases)  390 ppmv/4h  ATE AU (gases)  390 ppmv/4h  ATE AU (yapours)  23.4 mg/l/4h  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LD50 oral rat  LD50 darmal rat  2280 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxi 95% CL: 1,91 - 2,27  LD50 darmal rat  22000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / femal Experimental value, Dermal, 14 day(s))  LC50 Inhalation - Rat (Vapours)  ATE AU (oral)  ATE AU (oral)  ATE AU (spours)  10 - 20 mg/l/4h  ATE AU (spours)  10 mg/l/4h  ATE AU (vapours)  10 mg/l/4h  ATE AU (vapours)  10 mg/l/4h  hydrocarbons, C9, aromatics (64742-95-6)  LD50 dermal rabbit  LD50 dermal rabbit  LD50 dermal rabbit  3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/femal composition of the comp	LC50 Inhalation - Rat [ppm]	390 ppm/4h
ATE AU (gases)  390 ppmw/4h  ATE AU (vapours)  23.4 mg/l/4h  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LD50 oral rat  2080 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / femal Experimental value, Dermal, 14 days))  LC50 Inhalation - Rat (Vapours)  10 - 20 mg/l/4h  ATE AU (oral)  2080 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / femal Experimental value, Dermal, 14 days))  LC50 Inhalation - Rat (Vapours)  10 - 20 mg/l/4h  ATE AU (oral)  2080 mg/kg bodyweight  ATE AU (vapours)  10 mg/l/4h  ATE AU (vapours)  10 m	LC50 Inhalation - Rat (Vapours)	> 21 mg/l/4h (4 h, OECD Test Guideline 403, rat, vapours)
ATE AU (vapours)  ATE AU (dust.mist)  23.4 mg/l/4h  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LD50 oral rat  2080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxi 59% CL: 1.91 - 2.27  LD50 dermal rat  2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / femal Experimental value, Dermal, 14 day(s))  ATE AU (oral)  ATE AU (oral)  ATE AU (vapours)  10 - 20 mg/l/4h  ATE AU (vapours)  10 mg/l/4	ATE AU (oral)	10760 mg/kg bodyweight
ATE AU (dust.mist)  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LD50 oral rat  2080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxi 95% CL: 1,91 - 2,27  LD50 dermal rat  2 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female Experimental value, Dermal, 14 day(s))  LC50 Inhalation - Rat (Vapours)  ATE AU (oral)  ATE AU (gases)  4500 ppmv/4h  ATE AU (qaburs)  10 mg/k/4h  ATE AU (vapours)  10 mg/k/4h  ATE AU (vapours)  10 mg/k/4h  ATE AU (vapours)  LD50 oral rat  8400 ml/kg  LD50 dermal rabbit  13160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/femile LC50 Inhalation - Rat (Vapours)  5 mg/k/4h  LC50 Inhalation - Rat (Vapours)  5 mg/k/4h  LC50 Inhalation - Rat (Vapours)  5 mg/k/4h  Skin corrosion/irritation  6 causes skin irritation.  8erious eye damage/irritation  8 Not classified  6 mer cell mutagenicity  8 Not classified  Germ cell mutagenicity  9 Not classified  Carcinogenicity  1 Not classified  8 May cause drowsiness or dizziness.  8 methylpentan-2-one; isobutyl methyl ketone  108-10-11  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  8 May cause respiratory irritation.  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 200 opy of 100 opy o	ATE AU (gases)	390 ppmv/4h
ATE AU (dust.mist)  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LD50 oral rat  2080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxi 95% CL: 1,91 - 2,27  LD50 dermal rat  2 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female Experimental value, Dermal, 14 day(s))  LC50 Inhalation - Rat (Vapours)  ATE AU (oral)  ATE AU (gases)  4500 ppmv/4h  ATE AU (qaburs)  10 mg/k/4h  ATE AU (vapours)  10 mg/k/4h  ATE AU (vapours)  10 mg/k/4h  ATE AU (vapours)  LD50 oral rat  8400 ml/kg  LD50 dermal rabbit  13160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/femile LC50 Inhalation - Rat (Vapours)  5 mg/k/4h  LC50 Inhalation - Rat (Vapours)  5 mg/k/4h  LC50 Inhalation - Rat (Vapours)  5 mg/k/4h  Skin corrosion/irritation  6 causes skin irritation.  8erious eye damage/irritation  8 Not classified  6 mer cell mutagenicity  8 Not classified  Germ cell mutagenicity  9 Not classified  Carcinogenicity  1 Not classified  8 May cause drowsiness or dizziness.  8 methylpentan-2-one; isobutyl methyl ketone  108-10-11  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  8 May cause respiratory irritation.  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 200 opy of 100 opy o	ATE AU (vapours)	23.4 mg/l/4h
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LD50 oral rat 2080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxi 95% CL: 1.91 - 2.27  LD50 dermal rat ≥ 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / femal Experimental value, Dermal, 14 day(s))  LC50 Inhalation - Rat (Vapours) 10 − 20 mg/kg bodyweight  ATE AU (oral) 2080 mg/kg bodyweight  ATE AU (rapours) 4500 ppmv/4h  ATE AU (vapours) 10 mg/k/4h  ATE AU (vapours) 10 mg/k/4h  hydrocarbons, C9, aromatics (64742-95-6)  LD50 oral rat 8400 ml/kg  LD50 dermal rabbit 3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/femile LC50 Inhalation - Rat (Vapours) 5 mg/k/4h  LC50 Inhalation - Rat (Vapours) 5 mg/k/4h  Skin corrosion/irritation 5 causes skin irritation.  Serious eye damage/irritation 7 causes skin irritation.  Serious eye damage/irritation 8 Not classified 8 Not classified 9 Not classif	` ` ` `	-
LD50 oral rat  2080 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxi 95% CL: 1.91 - 2,27  LD50 dermal rat  2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / femal Experimental value, Dermal, 14 day(s))  LC50 Inhalation - Rat (Vapours)  ATE AU (oral)  2080 mg/kg bodyweight  ATE AU (gases)  4500 ppmv/4h  ATE AU (yapours)  10 mg/l/4h  hydrocarbons, C9, aromatics (64742-95-6)  LD50 oral rat  B400 ml/kg  3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/femile LD50 dermal rabbit  LC50 Inhalation - Rat (ppm)  LC50 Inhalation - Rat (Yapours)  3400 ppm/4h  LC50 Inhalation - Rat (Yapours)  3400 ppm/4h  LC50 Inhalation - Rat (Yapours)  3400 ppm/4h  LC50 Inhalation - Rat (Yapours)  35 mg/l/4h  Skin corrosion/irritation  36 causes skin irritation.  36 serious eye damage/irritation  37 causes skin irritation.  38 oral causes skin irritation.  39 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/femile LG50 Inhalation - Rat (Yapours)  30 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/femile LG50 Inhalation - Rat (Yapours)  30 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/femile LG50 Inhalation - Rat (Yapours)  3160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 406 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days)  200 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)	, ,	
LD50 dermal rat  2 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female Experimental value, Dermal, 14 day(s))  LC50 Inhalation - Rat (Vapours)  ATE AU (oral)  ATE AU (gases)  4500 ppmv/4h  ATE AU (vapours)  10 mg/l/4h  ATE AU (vapours)  11 mg/l/4h  ATE AU (dust,mist)  1.5 mg/l/4h  hydrocarbons, C9, aromatics (64742-95-6)  LD50 oral rat  8400 ml/kg  LD50 dermal rabbit  13160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/female LC50 Inhalation - Rat (Vapours)  3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/female LC50 Inhalation - Rat (Vapours)  3400 ppm/4h  LC50 Inhalation - Rat (Vapours)  3 - 5 mg/l/4h  Skin corrosion/irritation  4 meantly acute (Vapours)  3 - 5 mg/l/4h  Skin corrosion/irritation  4 meantly acute (Vapours)  3 - 5 mg/l/4h  Skin corrosion/irritation  4 meantly acute (Vapours)  5 - 5 mg/l/4h  Skin corrosion/irritation  5 - 5 mg/l/4h  Skin corr		
Experimental value, Dermal, 14 day(s))  LC50 Inhalation - Rat (Vapours)  10 – 20 mg/l/4h  ATE AU (oral)  2080 mg/kg bodyweight  ATE AU (gases)  4500 ppmv/4h  ATE AU (vapours)  10 mg/l/4h  ATE AU (vapours)  ATE AU (dust,mist)  1.5 mg/l/4h  hydrocarbons, C9, aromatics (64742-95-6)  LD50 oral rat  8400 ml/kg  LD50 dermal rabbit  LC50 Inhalation - Rat [ppm]  3400 ppm/4h  LC50 Inhalation - Rat (Vapours)  > 5 mg/l/4h  Skin corrosion/irritation  Serious eye damage/irritation  Not classified  Amethylpentan-2-one; isobutyl methyl ketone (108-10-1)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  STOT-repeated exposure  Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)  250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)	EBOO GIAITAK	
ATE AU (oral)  ATE AU (gases)  4500 ppmv/4h  ATE AU (qases)  4500 ppmv/4h  ATE AU (vapours)  10 mg/l/4h  ATE AU (dust,mist)  1.5 mg/l/4h  hydrocarbons, C9, aromatics (64742-95-6)  LD50 oral rat  8400 ml/kg  LD50 dermal rabbit  13160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/feme.  LC50 Inhalation - Rat [ppm]  3400 ppm/4h  LC50 Inhalation - Rat (Vapours)  > 5 mg/l/4h  Skin corrosion/irritation  : Causes skin irritation.  Serious eye damage/irritation  : Not classified  Germ cell mutagenicity  : Not classified  Germ cell mutagenicity  : Not classified  Carcinogenicity  : Not classified  STOT-single exposure  May cause drowsiness or dizziness.  n-butyl acetate (123-86-4)  STOT-single exposure  May cause drowsiness or dizziness.  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  Day Cral Toxicity in Rodents)	LD50 dermal rat	≥ 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
ATE AU (gases)  4500 ppmw/4h  ATE AU (vapours)  10 mg/l/4h  ATE AU (dust.mist)  1.5 mg/l/4h  hydrocarbons, C9, aromatics (64742-95-6)  LD50 oral rat  8400 ml/kg  LD50 dermal rabbit  1360 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/femal function of the first part of the f	LC50 Inhalation - Rat (Vapours)	10 – 20 mg/l/4h
ATE AU (vapours)  ATE AU (dust.mist)  1.5 mg/l/4h  hydrocarbons, C9, aromatics (64742-95-6)  LD50 oral rat  B400 ml/kg  LD50 dermal rabbit  LC50 Inhalation - Rat [ppm]  LC50 Inhalation - Rat (Vapours)  Skin corrosion/irritation  Serious eye damage/irritation  Serious eye damage/irritation  Serious eye damage/irritation  Respiratory or skin sensitisation  Serious eye damage/irritation  Not classified  Respiratory or skin sensitisation  Respiratory or skin sensitisation  Not classified  Reproductive toxicity  Not classified  Amethylpentan-2-one; isobutyl methyl ketone (108-10-1)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days)	ATE AU (oral)	2080 mg/kg bodyweight
ATE AU (dust,mist)  hydrocarbons, C9, aromatics (64742-95-6)  LD50 oral rat  B400 ml/kg  LD50 dermal rabbit  LC50 Inhalation - Rat [ppm]  LC50 Inhalation - Rat (Vapours)  Skin corrosion/irritation  Causes skin irritation.  Serious eye damage/irritation  Respiratory or skin sensitisation  Respiratory or skin sensitisation  Respiratory or skin sensitisation  STOT-single exposure  May cause drowsiness or dizziness.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness.  May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-repeated exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Nay cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Nay cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Nay cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Nay cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)	ATE AU (gases)	4500 ppmv/4h
hydrocarbons, C9, aromatics (64742-95-6)  LD50 oral rat  LD50 dermal rabbit  LD50 dermal rabbit  LC50 Inhalation - Rat [ppm]  LC50 Inhalation - Rat (Vapours)  Skin corrosion/irritation  Causes skin irritation.  Serious eye damage/irritation  Respiratory or skin sensitisation  Not classified  Respiratory or skin sensitisation  Respiratory or skin sensitisation  Not classified  Carcinogenicity  Not classified  Carcinogenicity  Not classified  STOT-single exposure  May cause drowsiness or dizziness.  n-butyl acetate (123-86-4)  STOT-single exposure  May cause drowsiness or dizziness.  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  STOT-single exposure  May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Nay cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Nay cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Nay cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Nay cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Nay cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose of the property of the	ATE AU (vapours)	10 mg/l/4h
LD50 oral rat  B400 ml/kg  LD50 dermal rabbit  LC50 Inhalation - Rat [ppm]  LC50 Inhalation - Rat (Vapours)  Skin corrosion/irritation  Causes skin irritation.  Serious eye damage/irritation  Respiratory or skin sensitisation  Respiratory or skin sensitisation  Carcinogenicity  Not classified  Reproductive toxicity  Not classified  Reproductive toxicity  Not classified  STOT-single exposure  May cause drowsiness or dizziness.  A-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Not classified  May cause drowsiness or dizziness.  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days)	ATE AU (dust,mist)	1.5 mg/l/4h
L050 dermal rabbit  3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/femal L050 Inhalation - Rat [ppm]  3400 ppm/4h  LC50 Inhalation - Rat (Vapours)  > 5 mg/l/4h  Skin corrosion/irritation  : Causes skin irritation.  Serious eye damage/irritation  : Not classified  Respiratory or skin sensitisation  : Not classified  Germ cell mutagenicity  : Not classified  Germ cell mutagenicity  : Not classified  STOT-single exposure    May cause drowsiness or dizziness.    Not classified	hydrocarbons, C9, aromatics (64742-95-6)	
LC50 Inhalation - Rat [ppm]  LC50 Inhalation - Rat (Vapours)  > 5 mg/l/4h  Skin corrosion/irritation  : Causes skin irritation.  Serious eye damage/irritation  : Not classified  Respiratory or skin sensitisation  : Not classified  Germ cell mutagenicity  : Not classified  Carcinogenicity  : Not classified  STOT-single exposure    May cause drowsiness or dizziness.    A-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  STOT-single exposure    May cause drowsiness or dizziness. May cause respiratory irritation.    hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure    May cause drowsiness or dizziness. May cause respiratory irritation.    hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure    May cause drowsiness or dizziness. May cause respiratory irritation.    hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure    May cause drowsiness or dizziness. May cause respiratory irritation.    hydrocarbons, C9, aromatics (64742-95-6)  STOT-repeated exposure    May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure    Not classified    A-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)    1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)    NOAEL (oral, rat, 90 days)	LD50 oral rat	8400 ml/kg
LC50 Inhalation - Rat (Vapours)  Skin corrosion/irritation  Scrious eye damage/irritation  Respiratory or skin sensitisation  Respiratory or skines.  Respiratory or skines.  Respiratory or skines.  Respiratory or skines.  Resp	LD50 dermal rabbit	3160 mg/kg bodyweight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/female
Skin corrosion/irritation : Causes skin irritation.  Serious eye damage/irritation : Not classified  Respiratory or skin sensitisation : Not classified  Germ cell mutagenicity : Not classified  Carcinogenicity : Not classified  Reproductive toxicity : Not classified  Reproductive toxicity : Not classified  STOT-single exposure : May cause drowsiness or dizziness.  Inbutyl acetate (123-86-4)  STOT-single exposure   May cause drowsiness or dizziness.  Inbutyl acetate (123-86-4)  STOT-single exposure   May cause drowsiness or dizziness.  Inbutyl acetate (123-86-4)  STOT-single exposure   May cause respiratory irritation.  Industrial of the productive toxicity in the productive toxicity in the productive toxicity in the productive toxicity in Rodents in the productive toxicity in Roden	LC50 Inhalation - Rat [ppm]	3400 ppm/4h
Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : May cause drowsiness or dizziness.    n-butyl acetate (123-86-4)	LC50 Inhalation - Rat (Vapours)	> 5 mg/l/4h
Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : May cause drowsiness or dizziness.    Not classified	Skin corrosion/irritation :	Causes skin irritation.
Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : May cause drowsiness or dizziness.  n-butyl acetate (123-86-4) STOT-single exposure   May cause drowsiness or dizziness.  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1) STOT-single exposure   May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6) STOT-single exposure   May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure   May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure : Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)   1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomatics)   250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated D	,	
Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : May cause drowsiness or dizziness.  n-butyl acetate (123-86-4) STOT-single exposure		Not classified
Reproductive toxicity : Not classified STOT-single exposure : May cause drowsiness or dizziness.    Not classified   May cause drowsiness or dizziness	Germ cell mutagenicity :	Not classified
STOT-single exposure : May cause drowsiness or dizziness.  n-butyl acetate (123-86-4)  STOT-single exposure	Carcinogenicity :	Not classified
n-butyl acetate (123-86-4)  STOT-single exposure May cause drowsiness or dizziness.  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  STOT-single exposure May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure : Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days) 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days) 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Standard Repeated Dose Standard Repeate	Reproductive toxicity :	Not classified
STOT-single exposure May cause drowsiness or dizziness.  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1) STOT-single exposure May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure : Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1) LOAEL (oral, rat, 90 days) 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days) 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Stomant Corporation)	STOT-single exposure :	May cause drowsiness or dizziness.
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  STOT-single exposure May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure : Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days) 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days) 250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Storm of	n-butyl acetate (123-86-4)	
STOT-single exposure  May cause respiratory irritation.  hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  : Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days)  250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose States)	STOT-single exposure	May cause drowsiness or dizziness.
hydrocarbons, C9, aromatics (64742-95-6)  STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days)  250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose States of the Company of	4-methylpentan-2-one; isobutyl methyl ketone	e (108-10-1)
STOT-single exposure  May cause drowsiness or dizziness. May cause respiratory irritation.  STOT-repeated exposure  : Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days)  250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose States of	STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure : Not classified  4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  LOAEL (oral, rat, 90 days)	hydrocarbons, C9, aromatics (64742-95-6)	
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)         LOAEL (oral, rat, 90 days)       1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)         NOAEL (oral, rat, 90 days)       250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose State of Company of Com	STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
LOAEL (oral, rat, 90 days)  1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days)  250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose State of	STOT-repeated exposure :	Not classified
Day Oral Toxicity in Rodents)  NOAEL (oral, rat, 90 days)  250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 9)	4-methylpentan-2-one; isobutyl methyl ketone	e (108-10-1)
	LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)
	NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents)
NOAEC (inhalation, rat, vapour, 90 days) 4.106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Tox 90-Day Study)	NOAEC (inhalation, rat, vapour, 90 days)	4.106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

hydrocarbons, C9, aromatics (64742-95-6)	
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight/day
NOAEC (inhalation, rat, vapour, 90 days)	900 – 1800 mg/m³
Aspiration hazard :	Not classified
SYSTEM 20 HS SOLID GLOSS BLACK (2:1)	
Viscosity, kinematic	1237.624 mm²/s

## **SECTION 12: Ecological information**

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

## 12.1. Ecotoxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

n-butyl acetate (123-86-4)	
LC50 - Fish [1]	18 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	62 mg/l (Leuciscus idus, static system)
EC50 - Crustacea [1]	44 mg/l Test organisms (species): Daphnia sp.
ErC50 algae	397 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)
NOEC (chronic)	23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	23 mg/l
Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
4-methylpentan-2-one; isobutyl methyl ketone	e (108-10-1)
LC50 - Fish [1]	> 179 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	> 200 mg/l Test organisms (species): Daphnia magna
Partition coefficient n-octanol/water (Log Pow)	1.9 (Experimental value, Equivalent or similar to OECD 117, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.008 (log Koc, Weight of evidence, Calculated value)
hydrocarbons, C9, aromatics (64742-95-6)	
LC50 - Fish [1]	9.22 mg/l (Oncorhynchus mykiss)
EC50 - Crustacea [1]	6.14 mg/l 48 h, Daphnia magna
ErC50 algae	2.9 mg/l

## 12.2. Persistence and degradability

n-butyl acetate (123-86-4)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.21 g O <sub>2</sub> /g substance

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	2.06 g O <sub>2</sub> /g substance	
Chemical oxygen demand (COD)	2.16 g O <sub>2</sub> /g substance	
ThOD	2.72 g O <sub>2</sub> /g substance	
hydrocarbons, C9, aromatics (64742-95-6)		
Persistence and degradability	Readily biodegradable in water.	

## 12.3. Bioaccumulative potential

n-butyl acetate (123-86-4)		
Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 $^{\circ}\text{C})$	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
Partition coefficient n-octanol/water (Log Pow)	1.9 (Experimental value, Equivalent or similar to OECD 117, 20 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.008 (log Koc, Weight of evidence, Calculated value)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	

## 12.4. Mobility in soil

n-butyl acetate (123-86-4)		
Surface tension	61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions)	
Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	See section 12.1 on ecotoxicology1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Highly mobile in soil. Not toxic to plants.	
4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)		
Surface tension	No data available is the literature	
	No data available in the literature	
Partition coefficient n-octanol/water (Log Pow)	1.9 (Experimental value, Equivalent or similar to OECD 117, 20 °C)	
Partition coefficient n-octanol/water (Log Pow)  Organic Carbon Normalized Adsorption Coefficient (Log Koc)		

## 12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

SYSTEM 20 HS SOLID GLOSS BLACK (2:1)	
Fluorinated greenhouse gases	False
n-butyl acetate (123-86-4)	
Fluorinated greenhouse gases	False

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according to the Work Health and Safety (WHS) Regulations

4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)	
Fluorinated greenhouse gases	False
hydrocarbons, C9, aromatics (64742-95-6)	
Fluorinated greenhouse gases	False

## **SECTION 13: Disposal considerations**

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

## **SECTION 14: Transport information**

#### 14.1. UN number

UN-No. (ADG) : 1263 UN-No. (IMDG) : 1263 UN-No. (IATA) : 1263

## 14.2. UN Proper Shipping Name

Proper Shipping Name (ADG) : PAINT
Proper Shipping Name (IMDG) : PAINT
Proper Shipping Name (IATA) : Paint

#### 14.3. Transport hazard class(es)

## ADG

Transport hazard class(es) (ADG) : 3
Danger labels (ADG) : 3



#### **IMDG**

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3



#### **IATA**

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3



## 14.4. Packing group

Packing group (ADG) : III - Substances presenting low danger

Packing group (IMDG) : III
Packing group (IATA) : III

### Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

#### 14.5. Environmental hazards

Marine pollutant : No Dangerous for the environment : No

No supplementary information available Other information

#### 14.6. Special precautions for user

Specific storage requirement : No data available : No data available Shock sensitivity

#### 14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG) : 1263 Special provision (ADG) 163, 223, 367

Limited quantities (ADG)

Packing instructions (ADG) : P001, IBC03, LP01

Special packing provisions (ADG) : PP1 Portable tank and bulk container instructions (ADG) : T2 Portable tank and bulk container special provisions : TP1, TP29

(ADG)

Transport by sea

UN-No. (IMDG) : 1263

Special provisions (IMDG) : 163, 223, 367, 955

Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P001, LP01 Special packing provisions (IMDG) : PP1 IBC packing instructions (IMDG) IBC03 Tank instructions (IMDG) T2 Tank special provisions (IMDG) TP1, TP29

EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS EmS-No. (Spillage) : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER

Stowage category (IMDG)

Properties and observations (IMDG) : Miscibility with water depends upon the composition.

Air transport

UN-No. (IATA) : 1263 PCA Excepted quantities (IATA) : E1 : Y344 PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) : 10L PCA packing instructions (IATA) : 355 PCA max net quantity (IATA) : 60L CAO packing instructions (IATA) : 366 CAO max net quantity (IATA) : 220L Special provisions (IATA) : A3, A72, A192

ERG code (IATA) 3L

## 14.8. Hazchem or Emergency Action Code

Hazchem Code : \* 3Y

#### **SECTION 15: Regulatory information**

## 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

**Hazardous Substances and New Organisms Act** 

**HSNO** Approval Number : HSR002662

Group standard : Surface coatings and colourants

15/01/2020 (Revision date) EN (English) 10/12

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

n-butyl acetate (123-86-4)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR001091

4-methylpentan-2-one; isobutyl methyl ketone (108-10-1)  Hazardous Substances and New Organisms Act	

2-methoxy-1-methylethyl acetate (108-65-6)  Hazardous Substances and New Organisms Act		
		HSI

dibutyltin dilaurate (77-58-7)  Hazardous Substances and New Organisms Act	

hydrocarbons, C9, aromatics (64742-95-6) Hazardous Substances and New Organisms Act	

Xylene (1330-20-7)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR000983

## 15.2. International agreements

No additional information available

## **SECTION 16: Other information**

Revision date : 15/01/2020

Classification	
Flam. Liq. 3	H226
Skin Irrit. 2	H315
STOT SE 3	H336

Full text of H-statements	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 5 (Oral)	Acute toxicity (oral), Category 5
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Full text of H-statements	
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
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

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