

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

1.1. Product identifier

Product Name:	Cranfield Low Aromatic Thinner
Product Number:	3402, 3404
Registration Name:	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Registration Number:	01-2119456620-43-0000; 01-2119456620-43

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

Intended Use:	Solvent for Artist Oil Paints
Identified Uses:	Professional Artists
Uses advised against:	This product is not recommended for professional or consumer use other than those identified above.

1.3 Details of the supplier of the safety data sheet

Company Identification	Cranfield Colours Ltd
Address of Manufacturer	44-47 Springvale Industrial Estate, Cwmbran, Torfaen, UK
Postal code	NP44 5BB
Telephone:	+44 (0) 1633 861421
Fax	+44 (0) 1633 864354
E-mail	technical@cranfield-colours.co.uk
Office hours	GMT/UTC: 09:00-17:00, 9am-5pm

1.4 Emergency telephone number

Emergency Phone No.	+44 (0) 344 892 0111 (National Poisons Information Service)
Contact	technical@cranfield-colours.co.uk

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)	Aspiration toxicant: Category 1.
-------------------------------------	----------------------------------

2.2 Label elements

Product Name	According to Regulation (EC) No. 1272/2008 (CLP) Cranfield Low Aromatic Thinner
--------------	---

Hazard Pictogram(s)



GHS08

Signal Word(s)

Danger

Hazard Statement(s)

H304: May be fatal if swallowed and enters airways.
EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

Response:

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331: Do NOT induce vomiting.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents and container in accordance with local regulations.

Contains: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

2.3. OTHER HAZARDS

Physical / Chemical Hazards:

Material can accumulate static charges which may cause an ignition. Material can release vapours that readily form flammable mixtures. Vapour accumulation could flash and/or explode if ignited. Combustible.

Health Hazards:

May be irritating to the eyes, nose, throat, and lungs. Repeated exposure may cause skin dryness or cracking.

Environmental Hazards:

No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

This material is regulated as a substance.

Reportable hazardous substance(s) complying with the classification criteria and/or with an exposure limit (OEL)

Name	CAS#	EC#	Registration#	Concentration	GHS/CLP classification
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics		926-141-6	01-2119456620-43	100 %	Asp. Tox. 1 H304, EUH066, [Flam. Liq. 4 H227]

Note - any classification in brackets is a GHS building block that was not adopted by the EU in the CLP regulation (No 1272/2008) and therefore is not applicable in the EU or in non-EU countries which have implemented the CLP regulation and is shown for informational purposes only.

Note: Any entry in the EC# column that begins with the number "9" is a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. See Section 15 for additional CAS number information for the substance.

Note: See SDS Section 16 for full text of hazard statements.

3.2. MIXTURES

Not Applicable. This product is regulated as a substance.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
Skin Contact	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
Eye Contact	Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion	Seek immediate medical attention. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Redness, dry cracking of skin.

4.3 Indication of any immediate medical attention and special treatment needed

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Unsuitable Extinguishing Media: Straight streams of water

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products: Oxides of carbon, Incomplete combustion products, Smoke, Fume

5.3. Advice for fire fighters

Fire Fighting Instructions: Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire Hazards: Combustible. Hazardous material. Firefighters should consider protective equipment indicated in Section 8.

Flammability Properties

Flash Point [Method]: >79°C (174°F) [ASTM D-93]

Upper/Lower Flammable Limits (Approximate volume % in air): UEL: 6.0, LEL: 0.6 [Extrapolated]

Autoignition Temperature: >227°C (441°F) [ASTM E 659]

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Open windows or doors that lead directly to outdoors. Close windows or doors leading to internal areas that are occupied. Turn leaking containers leak-side up to prevent further escape of liquid. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

See Section 5 for fire fighting information.

See Section 2 for Significant Hazards.

See Section 4 for First Aid Advice.

6.2. Environmental precautions

Do Not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. References to other sections

See Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source).

Consult local applicable standards for guidance

Loading/Unloading Temperature: [Ambient]

Transport Temperature: [Ambient]

Transport Pressure: [Ambient]

Static Accumulator: This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10E-12 Siemens per meter) and is considered a semiconductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semiconductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.

7.2. Conditions for safe storage, including any incompatibilities

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release.

Store in a cool, well-ventilated area. Store in the container provided and do not decant.

Storage Temperature: [Ambient]

Storage Pressure: [Ambient]

Suitable Materials and Coatings (Chemical Compatibility): Carbon Steel; Stainless Steel; Polyester; Polyethylene; Polypropylene; Teflon

Unsuitable Materials and Coatings: Natural Rubber; Butyl Rubber; Ethylene-propylene-diene monomer (EPDM); Polystyrene

7.3. Specific end uses:

Diluting and/or cleaning oil based artist materials

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits/standards (Note: Exposure limits are not additive)

Substance Name	Form	Limit/Standard			Note	Source
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Vapour.	RCP - TWA	1200 mg/m3	165 ppm	Total Hydrocarbons	ExxonMobil

Note: Information about recommended monitoring procedures can be obtained from the relevant agency(ies)/institute(s): UK Health and Safety Executive (HSE)

8.2. Exposure controls

8.2.1. Appropriate engineering controls

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider: Adequate ventilation should be provided so that exposure limits are not exceeded. If required, use explosion-proof ventilation equipment.

8.2.2. Personal protection equipment

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.



Eye Protection

If contact is likely, safety glasses with side shields are recommended.



Skin protection

Hand Protection: Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. Gloves to be considered for this material include: Nitrile, minimum 0.38 mm thickness or comparable protective barrier material with a high performance level for continuous contact use conditions, permeation breakthrough minimum 480 minutes in accordance with CEN standards EN 420 and EN 374.

Skin and Body Protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: Chemical/oil resistant clothing is recommended.



Respiratory protection

Respiratory Protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements,

if applicable. Types of respirators to be considered for this material include:

Half-face filter respirator Type A filter material, European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 provide filter recommendations.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

- 8.2.3. Environmental Exposure Controls** Comply with applicable environmental regulations limiting discharge to air, water and soil.
Protect the environment by applying appropriate control measures to prevent or limit emissions.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications.

9.1. Information on basic physical and chemical properties

Physical State:	Liquid
Form:	Clear
Colour:	Colourless
Odour:	Slight
Odour Threshold:	No data available
pH:	No data available
Melting Point:	No data available
Freezing Point:	No data available
Initial Boiling Point / and Boiling Range:	203°C (397°F) - 238°C (460°F) [ASTM D86]
Flash Point [Method]:	>79°C (174°F) [ASTM D-93]
Evaporation Rate (n-butyl acetate = 1):	0.02 [In-house method]
Flammability (Solid, Gas):	No technically feasible
Upper/Lower Flammable Limits (Approximate volume % in air):	UEL: 6.0, LEL: 0.6 [Extrapolated]
Vapour Pressure:	0.02kPa (0.15 mm Hg) at 20°C [calculated]
Vapour Density (Air = 1):	6.1 at 101 kPa [In house method]
Relative Density (at 15 °C):	0.8 [With respect to water] [Calculated]
Solubility(ies): water	Negligible
Partition coefficient (n-Octanol/Water Partition Coefficient):	>4 [estimated]
Autoignition Temperature:	>227°C (441°F) [ASTM E659]

Decomposition Temperature:	No data available
Viscosity:	1.7 cSt (1.7 mm ² /sec) at 40°C 2.3 cSt (2.3 mm ² /sec) at 20°C [calc]
Explosive Properties:	None
Oxidizing Properties:	None

9.2. Other information

Molecular Weight:	177 G/MOLE [Calculated]
Hygroscopic:	No

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:	See sub-sections below.
10.2. Chemical stability:	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions:	Hazardous polymerization will not occur.
10.4. Conditions to avoid:	Avoid heat, sparks, open flames and other ignition sources.
10.5. Incompatible materials:	Strong oxidisers
10.6. Hazardous decomposition products:	Material does not decompose at ambient temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Hazard Class	Conclusion / Remarks
Inhalation	
Acute Toxicity: (Rat) 8 hour(s) LC50 > 5000 mg/m ³ (Vapour) Test scores or other study results do not meet criteria for classification.	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 403
Irritation: No end point data for material.	Negligible hazard at ambient/normal handling temperatures.
Ingestion	
Acute Toxicity (Rat): LD50 > 5000 mg/kg Test scores or other study results do not meet criteria for classification.	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 401
Skin	
Acute Toxicity (Rabbit): LD50 > 5000 mg/kg Test scores or other study results do not meet criteria for classification.	Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 402
Skin Corrosion/Irritation: Data available. Test scores or other study results do not meet criteria for classification.	May dry the skin leading to discomfort and dermatitis. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 404
Eye	
Serious Eye Damage/Irritation: Data available. Test scores or other study results do not meet criteria for classification.	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 405
Sensitisation	
Respiratory Sensitization: No end point data for material.	Not expected to be a respiratory sensitizer.
Skin Sensitization: Data available. Test scores or other study results do not meet criteria for classification.	Not expected to be a skin sensitizer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 406
Aspiration: Data available.	May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material.
Germ Cell Mutagenicity: Data available. Test scores or other study results do not meet criteria for classification.	Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 471 473 474 476 478 479

Carcinogenicity: Data available. Test scores or other study results do not meet criteria for classification.	Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 453
Reproductive Toxicity: Data available. Test scores or other study results do not meet criteria for classification.	Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 414 421 422
Lactation: No end point data for material.	Not expected to cause harm to breast-fed children.
Specific Target Organ Toxicity (STOT)	
Single Exposure: No end point data for material.	Not expected to cause organ damage from a single exposure.
Repeated Exposure: Data available. Test scores or other study results do not meet criteria for classification.	Not expected to cause organ damage from prolonged or repeated exposure. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 408 413

OTHER INFORMATION

For the product itself:

Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

SECTION 12: ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

12.1. Toxicity

Material -- Not expected to be harmful to aquatic organisms.

Material -- Not expected to demonstrate chronic toxicity to aquatic organisms

12.2. Persistence and degradability

Biodegradation: Material -- Available OECD 301F biodegradation data indicate that material is readily biodegradable ($\geq 60\%$ in 28 days).

Hydrolysis: Material -- Transformation due to hydrolysis not expected to be significant.

Photolysis: Material -- Transformation due to photolysis not expected to be significant.

Atmospheric Oxidation: Material -- Expected to degrade rapidly in air

12.3. Bioaccumulative potential

Not determined.

12.4. Mobility in soil

Not determined.

12.5. Persistence, bioaccumulation and toxicity for substance(s)

Material does not meet the Reach Annex XIII criteria for PBT or vPvB.

12.6. Other adverse effects

No adverse effects are expected.

ECOLOGICAL DATA

Ecotoxicity

Test	Duration	Organism Type	Test Results
Aquatic - Acute Toxicity	48 hour(s)	Daphnia magna	ELO 1000 mg/l: data for the material
Aquatic - Acute Toxicity	72 hour(s)	Pseudokirchneriella subcapitata	ELO 1000 mg/l: data for the material
Aquatic - Acute Toxicity	96 hour(s)	Oncorhynchus mykiss	LLO 1000 mg/l: data for the material

Persistence, Degradability and Bioaccumulation Potential

Media	Test Type	Duration	Test Results: Basis
Water	Ready Biodegradability	28 day(s)	Percent Degraded 69

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

13.1. WASTE TREATMENT METHODS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

REGULATORY DISPOSAL INFORMATION

European Waste Code: 20 01 13*

*NOTE: This code is assigned based upon the typical use of this material and may not reflect contaminants resulting from actual use. Users need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste disposal code(s).

Empty Container Warning Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

SECTION 14: TRANSPORT INFORMATION

LAND (ADR/RID): 14.1-14.6 - Not Regulated for Land Transport

INLAND WATERWAYS (ADNR/ADN)

14.1. UN (or ID) Number: 9003

14.2. UN Proper Shipping

Name (Technical Name): substances with 60°C < f.p.<= 100 °C (Undecane and dodecane)

14.3. Transport Hazard Class(es): 9

14.4. Packing Group: (N/A)

14.5. Environmental Hazards: None

14.6. Special Precautions for users:

Label(s) / Mark(s): 9 (F)

SEA (IMDG): 14.1-14.6 - Not Regulated for Sea Transport according to IMDG-Code

SEA (MARPOL 73/78 Convention - Annex II):

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Substance Name: NOXIOUS LIQUID, N.F.,(7) N.O.S., (EXXSOL D80, contains iso-and cycloalkanes (C12+))

Ship type required: 3

Pollution category: Y

AIR (IATA): 14.1-14.6 Not Regulated for Air Transport

SECTION 15: REGULATORY INFORMATION

Regulatory status and applicable laws and regulations

Listed or exempt from listing/notification on the following chemical inventories (May contain substance(s) subject to notification to the EPA Active TSCA inventory prior to import to USA): AIIIC, DSL, ENCS, IECSC, KECI, PICCS, TCSI, TSCA

The national inventory listings are based on the CAS number or numbers listed below.

Name	CAS
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8

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

Applicable UK and EU Directives and Regulations:

REACH: [Registration, Evaluation, Authorisation and Restriction of Chemicals ... and amendments thereto]

Health and Safety at Work Act
COSHH (The Control of

Substances Hazardous to Health) [Protection of workers from the risk related to chemical agents at work]. Refer to Directive for details of requirements.

CLP [Classification, labelling and packaging of substances and mixtures.. and amendments thereto]

REACH Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII):

The following entries of Annex XVII may be considered for this product: **03**

15.2. Chemical safety assessment

REACH Information: A Chemical Safety Assessment has been carried out for one or more substances present in the material.

SECTION 16: OTHER INFORMATION

— = Sections Updated sections since last revision.

REFERENCES: Sources of information used in preparing this SDS included one or more of the following: CONCAWE Product Dossiers, publications from other trade associations, such as the EU Hydrocarbon Solvents REACH Consortium, U.S. HPV Program Robust Summaries, the EU IUCLID Data Base, U.S. NTP publications, and other sources, as appropriate.

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

Acronym	Full text
N/A	Not applicable
N/D	Not determined
NE	Not established
VOC	Volatile Organic Compound
AICS	Australian Inventory of Chemical Substances
AIHA WEEL	American Industrial Hygiene Association Workplace Environmental Exposure Limits
ASTM	ASTM International, originally known as the American Society for Testing and Materials (ASTM)
DSL	Domestic Substance List (Canada)
EINECS	European Inventory of Existing Commercial Substances
ELINCS	European List of Notified Chemical Substances
ENCS	Existing and new Chemical Substances (Japanese inventory)
IECSC	Inventory of Existing Chemical Substances in China
KECI	Korean Existing Chemicals Inventory
NDSL	Non-Domestic Substances List (Canada)
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances
TLV	Threshold Limit Value (American Conference of Governmental Industrial Hygienists)
TSCA	Toxic Substances Control Act (U.S. inventory)
UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials
LC	Lethal Concentration
LD	Lethal Dose
LL	Lethal Loading
EC	Effective Concentration
EL	Effective Loading
NOEC	No Observable Effect Concentration
NOELR	No Observable Effect Loading Rate

KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT (for information only):

[Flam. Liq. 4 H227]: Combustible liquid; Flammable Liquid, Cat 4

Asp. Tox. 1 H304: May be fatal if swallowed and enters airways; Aspiration, Cat 1

EUH066: Repeated exposure may cause skin dryness or cracking.

reliable as of the date issued. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to ensure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part, is not permitted.

Exposure Scenarios follow on the subsequent pages:

ANNEX – Exposure Scenarios

Section 1	
Exposure scenario Title:	Use in Coatings – Consumer
Processes, tasks, activities covered:	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including product transfer and preparation, application by brush, spray by hand or similar methods) and equipment cleaning.
Section 2 Operational conditions and risk management measures	
Section 2.1 Control of consumer exposure	
Product Characteristic	Liquid
Duration, frequency and amount	Not applicable
Other given operational conditions affecting consumer exposure	
General measures (Aspiration Hazard) The H304 risk phrase (May be fatal if swallowed and enters airways) relates to potential for aspiration, a non-quantifiable hazard determined by physico-chemical properties (i.e. viscosity) that can occur during ingestion and also if it is vomited following ingestion. A DNEL cannot be derived. Risks from the physicochemical hazards of substances can be controlled by implementing risk management measures. For substances classified as H304, the following measures need to be implemented to control the aspiration hazard. Do not ingest. If swallowed then seek immediate medical attention. Do NOT induce vomiting. Just a sip of lamp oil - or even sucking the wick of lamps may lead to life threatening lung damage. Keep lamps filled with this liquid out of the reach of children.	
Contributing Scenarios/ Specific Risk Management Measures and Operating Conditions (only required controls to demonstrate safe use listed)	
Section 2.2 Control of environmental exposure	
Product characteristics	: Not applicable
Duration, frequency and amount	: Not applicable
Environmental factors not influenced by risk management	: Not applicable
Other given operational conditions affecting environmental exposure	: Not applicable
Conditions and measures related to municipal sewage treatment plant	: Not applicable
Conditions and measures related to external treatment of waste for disposal	: Not applicable
Conditions and measures related to external recovery of waste	: Not applicable
Section 3 Exposure Estimation	
3.1. Health	Not applicable
3.2. Environment	Not applicable
Section 4 Guidance to check compliance with the Exposure Scenario	
4.1. Health	
Available hazard data does not support the need for a DNEL to be established for other health effects. [G36] Risk Management Measures are based on qualitative risk characterisation. [G37]	
4.2. Environment	
Not applicable	

Section 1	
Exposure scenario Title:	Use in Coatings – Professional
Processes, tasks, activities covered:	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, brush, spreader by hand or similar methods, and film formation) and equipment cleaning, maintenance and associated laboratory activities.
Section 2 Operational conditions and risk management measures	
Section 2.1 Control of worker exposure	
Product Characteristic	Liquid
Duration, frequency and amount	Covers daily exposures up to 8 hours (unless stated differently) [G2] Covers percentage substance in the product up to 100 % [G13]
Other given operational conditions affecting worker exposure	
Assumes a good basic standard of occupational hygiene is implemented [G1]	
Contributing Scenarios/ Specific Risk Management Measures and Operating Conditions (only required controls to demonstrate safe use listed)	
General measures (Aspiration Hazard) The H304 risk phrase (May be fatal if swallowed and enters airways) relates to potential for aspiration, a nonquantifiable hazard determined by physio-chemical properties (i.e. viscosity) that can occur during ingestion and also if it is vomited following ingestion. A DNEL cannot be derived. Risks from the physicochemical hazards of substances can be controlled by implementing risk management measures. For substances classified as H304, the following measures need to be implemented to control the aspiration hazard. Do not ingest. If swallowed then seek immediate medical attention. Do NOT induce vomiting.	
Section 2.2 Control of environmental exposure	
Product characteristics	: Not applicable
Duration, frequency and amount	: Not applicable
Environmental factors not influenced by risk management	: Not applicable
Other given operational conditions affecting environmental exposure	: Not applicable
Technical Conditions and measures at Process level(source) to prevent release	: Not applicable
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	: Not applicable
Organisation measures to prevent/limit release from site	: Not applicable
Conditions and measures related to municipal sewage treatment plant	: Not applicable
Conditions and measures related to external treatment of waste for disposal	: Not applicable
Conditions and measures related to external recovery of waste	: Not applicable

SAFETY DATA SHEET

Section 3 Exposure Estimation	
3.1. Health	Not applicable
3.2. Environment	Not applicable
Section 4 Guidance to check compliance with the Exposure Scenario	
4.1. Health	
Available hazard data does not support the need for a DNEL to be established for other health effects. [G36] Risk Management Measures are based on qualitative risk characterisation. [G37]	
4.2. Environment	
Not applicable	