PETROCHEM CARLESS

SAFETY DATA SHEET
KRISTOL M 14

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

APPLICATION Cosmetic and medicinal industry.

SUPPLIER
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2 HAZARDS IDENTIFICATION

Not considered hazardous for transport or supply.

3 COMPOSITION/INFORMATION ON INGREDIENTS

EC No. 232-455-8

CAS-No. 8042-47-5

4 FIRST-AID MEASURES

INHALATION
Remove victim immediately from source of exposure.

Place unconscious person on the side in the recovery position and ensure breathing

Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION
DO NOT INDUCE VOMITING!

When risk of unconsciousness, place and transport the victim in secured side position.

Get medical attention if any discomfort continues.

SKIN CONTACT
Remove affected person from source of contamination.

Wash the skin immediately with soap and water.

Get medical attention if irritation persists after washing.

EYE CONTACT
Make sure to remove any contact lenses from the eyes before rinsing.

Promptly wash eyes with plenty of water while lifting the eye lids.

Continue to rinse for at least 15 minutes.

Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
Small fires:

Use:

Dry chemicals, sand, dolomite etc.

Larger fires:

Fire can be extinguished using:

Foam.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours.

Cool containers exposed to flames with water until well after the fire is out.

Keep run-off water out of sewers and water sources. Dike for water control.

6 ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

Protect drains by covering to avoid any spillage entering the drainage system.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

Wash contaminated area with water.

Disposal should be carried out in accordance with the Controlled Waste Regulations. If any liquid enters the drainage system or watercourse inform the Local Authorities, Fire Brigade and Environmental Agency.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

Avoid production of oil mists

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place.

Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
KRISTOL M 14	OES	5		ppm(RH)		

INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA!

Wash at the end of each work shift and before eating, smoking and using the toilet.

Wash promptly with soap & water if skin becomes contaminated.

Promptly remove any clothing that becomes contaminated.

Use appropriate skin cream to prevent drying of skin.

When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Colourless
ODOUR	Odourless
SOLUBILITY	Immiscible with water Miscible with Organic solvents

BOILING POINT (°C)	350 - 415 760 mm Hg	MELTING POINT (°C)	-15
RELATIVE DENSITY	0.851 @ 15 °c	BULK DENSITY	851 kg/m3
VISCOSITY	36 cSt @ 20 °c	FLASH POINT (°C)	175 PM Closed cup.
AUTO IGNITION TEMPERATURE (°C)	> 250		

10 STABILITY AND REACTIVITY

STABILITY
No particular stability concerns.

CONDITIONS TO AVOID
Avoid excessive heat for prolonged periods of time.

HAZARDOUS DECOMPOSITION PRODUCTS
Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION
Negative to Modified Ames Test Does not contain any IARC Group 1, 2(a) or 2(b) Listed Chemicals. Polycyclic Aromatic Hydrocarbons by IP 346 <1%

SKIN CONTACT
No specific health warnings noted.

EYE CONTACT
Spray and vapour in the eyes may cause irritation and smarting.

HEALTH WARNINGS
Ingestion may cause: Stomach pain. Diarrhoea.

12 ECOLOGICAL INFORMATION

ECOTOXICITY
Not regarded as dangerous for the environment. Log Kow <1 (n-Octanol/water)

MOBILITY
This material will float on water

BIOACCUMULATION
Not expected to bioaccumulate

DEGRADABILITY
Readily biodegradable >50% in 28 days

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS
This material must be disposed of via an Authorised Waste/Disposal Company in accordance with Local and or National Waste Disposal Regulations.

WASTE CLASS
This material and container must be disposed of as a HAZARDOUS WASTE.

14 TRANSPORT INFORMATION

GENERAL	Low hazard material not considered dangerous for carriage.
	No transport warning sign required.

KRISTOL M 14

PROPER SHIPPING NAME	Not classified as hazardous for transport
ROAD TRANSPORT NOTES	Not Classified
RAIL TRANSPORT NOTES	Not Classified.
SEA TRANSPORT NOTES	Not Classified.
AIR TRANSPORT NOTES	Not Classified.
UN NO. ROAD	None
ADR CLASS	Not classified for transportation.
HAZARD No. (ADR)	30

15 REGULATORY INFORMATION

UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 1988.

Health and Safety at Work Act 1974.

The Chemical (Hazard Information and Packaging for Supply Regulations) 1993 amended & 2002.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

GENERAL INFORMATION

A highly refined White Oil Known to be listed in the following Chemical Inventories: European (EINECS), USA (TSCA), Canadian (DSL), Australian (AICS), Japanese (ENCS)/(MITI) (9) 1692, Korean (ECL) KE35412, Phillipines (PICCS), Chinese

INFORMATION SOURCES

Fire and Related Properties of Industrial Chemicals, Fire Protection Association.

REVISION COMMENTS

Issued in new format for REACH compliance

ISSUED BY

PCL Technical Team

REVISION DATE	19/05/09
REV. NO./REPL. SDS GENERATED	4
SDS NO.	10899

SAFETY DATA SHEET STATUS

Approved.

DATE	26/07/02

COSHH Risk Assessment

Kristol M14

Describe the activity or work process.	Large quantities used to production of white smoke by heating and atomisation of Kristol M14 refined mineral oil. Used in mediums for outdoor haze effects
Location of process being carried out?	External workshop, Back lot, external locations.

Identify the persons at risk:	Employees *(including trainees)*	x	Contractors	x	Public	
Name the substance involved in the process and its manufacturer.	Manufactured by: Petrochem Carless Brand Name: Kristol M14 Chemical is a highly refined mineral oil used in baby oil and other cosmetics				

Classification *(state the category of danger)*

☐ Toxic	☐ Oxidising	☐ Respiratory sensitiser
☐ Irritant Eyes	☒ Flammable	☒ systemic target organ toxicity,
☐ Irritant Skin	☐ Gas Under Pressure	☐ Aspiration hazard
☐ Corrosive	☐ Explosives	☐ Harmful to the Environment

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other (State)
☐	☒	☐	☐	☐	☒	☐	☐

Route of Exposure

Inhalation	Skin	Eyes	Ingestion	Other (State)
☒	☐	☒	☒	☐

Workplace Exposure Limits (WELs) *please indicate n/a where not applicable*

Components	CAS-No.	Value type (Form of exposure)	Control parame-ters / Permissible concentration	Basis
distillates (petroleum), hy-drotreated light	64742-47-8	TWA	200 mg/m3 (total hydrocarbon vapor)	CA BC OEL

State the Risks to Health from Identified Hazards

Combustible liquid.
May be fatal if swallowed and then enters airways.

Control Measures: *(for example extraction, ventilation, training, supervision). Include special measures for vulnerable groups, such as disabled people and pregnant workers. Take account of those substances that are produced from activities undertaken by another employer's employees.*

Used for atmospheric effect
To be used in well-ventilated areas only.
Minimal to be used to achieve effect.
Reduce exposure time where possible.
Crew to be advised to move to non-affected areas where necessary.

Storage
Store away from sources of ignition
Store upright in designated and marked containers
Ensure lid is on when not in use.
Spill kits to be available.

Handling
Gloves to be worn when pouring into containers.
Eye protection to be worn where there is a risk of splashing.
Hands to be washed before eating.

Is health surveillance or monitoring required?

Yes ☐ No ☒ X

Personal Protective Equipment *(state type and standard)*

 ☐ Dust mask		 ☐ Visor	
 ☒ X Respirator	.	 ☒ X Goggles	Wear EN 166 compliant goggles/shield in abnormal processing conditions.
 ☒ X Gloves	Neoprene/nitrile EN 374 compliant gloves.	 ☐ Overalls	
 ☐ Footwear		 ☐ Other	

First Aid Measures

Inhalation: Move the person to fresh air at once. Seek medical attention irritation continues.
Eye exposure: Remove contact lenses, Rinse eyes thoroughly for 15 minutes – contact physician if irritation persists
Ingestion: Do not induce vomiting – wash mouth out with water - get medical attention if discomfort continues
Skin contact – wash skin with plenty of water, remove contaminated clothing and wash before re-use – seek medical attention if irritation persists

Disposal of Substances & Contaminated Containers

Hazardous Waste ☐ Skip ☐ Return to Depot ☐ Return to Supplier ☐ Other ☒ X

(If Other Please State): Dispose of via licenced waste carrying company.

Is exposure adequately controlled?	Yes ☒ X No ☐

Risk Rating Following Control Measures

High ☐ **Medium** ☐ **Low** ☒ X

Assessed By: Dan Scott	**Date 19.11.2024**