

Signet Pty Ltd

Chernwatch: 72-2591 Version No: 2.1.1.1 Safety Data Sheet according to WHS and ADG requirements Chemwatch Hazard Alert Code: 4

Issue Date: **13/01/2017** Print Date: **18/04/2018** L.GHS.AUS.EN

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

Product Identifier

Product name	Spot Marking Paint - Black, Red, Blue, Green, Yellow, Orange, Purple, Lemon	
Synonyms	Item Number :11801,11802,11803, 11804, 11805, 11807, 11809, 11810	
Proper shipping name	AEROSOLS	
Other means of identification	Not Available	

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

Relevant identified uses	Application is by spray atomisation from a hand held aerosol pack
	Use according to manufacturer's directions.

Details of the supplier of the safety data sheet

Registered company name	Signet Pty Ltd	
Address	ingleston Road Wakerley QLD 4154 Australia	
Telephone	+61 7 3364 2100	
Fax	+1 300 304 305	
Website	www.signet.net.au	
Email	sales@signet.net.au	

Emergency telephone number

Association / Organisation	Not Available	
Emergency telephone numbers	1800 039 008 (24 Hours)	
Other emergency telephone numbers	Not Available	

CHEMWATCH EMERGENCY RESPONSE

Primary Number	Alternative Number 1	Alternative Number 2
1800 039 008	1800 039 008	+612 9186 1132

Once connected and if the message is not in your prefered language then please dial 01

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Poisons Schedule	Not Applicable		
Classification ^[1]	Aerosols Category 1, Gas under Pressure (Compressed gas), Eye Irritation Category 2A, Carcinogenicity Category 2, Specific target organ toxicity - single exposure Category 3 (narcotic effects), Acute Aquatic Hazard Category 3, Chronic Aquatic Hazard Category 3		

Legend:

1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

Label elements



SIGNAL WORD

RD DANGER

Hazard statement(s)

H222	Extremely flammable aerosol.			
H280	contains gas under pressure; may explode if heated.			
H319	auses serious eye irritation.			
H351	uspected of causing cancer.			
H336	May cause drowsiness or dizziness.			
H412	Harmful to aquatic life with long lasting effects.			
AUH044	Risk of explosion if heated under confinement.			
AUH066	Repeated exposure may cause skin dryness and cracking.			

Precautionary statement(s) Prevention

P201	Obtain special instructions before use.		
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.		
P211	o not spray on an open flame or other ignition source.		
P251	ressurized container: Do not pierce or burn, even after use.		
P271	Use only outdoors or in a well-ventilated area.		
P281	Use personal protective equipment as required.		
P261	Avoid breathing mist/vapours/spray.		
P273	Avoid release to the environment.		
P280	P280 Wear protective gloves/protective clothing/eye protection/face protection.		

Precautionary statement(s) Response

P308+P313	IF exposed or concerned: Get medical advice/attention.		
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
P312	Call a POISON CENTER or doctor/physician if you feel unwell.		
P337+P313	3 If eye irritation persists: Get medical advice/attention.		
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.			

Precautionary statement(s) Storage

P405	Store locked up.	
P410+P403	P410+P403 Protect from sunlight. Store in a well-ventilated place.	
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.		
P403+P233 Store in a well-ventilated place. Keep container tightly closed.		

Precautionary statement(s) Disposal

P501 Dispose of contents/container in accordance with local r

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Version No: 2.1.1.1

Spot Marking Paint - Black, Red, Blue, Green, Yellow, Orange, Purple, Lemon

CAS No	%[weight]	Name
141-78-6	30-60	ethyl acetate
64742-82-1.	1-10	naphtha, petroleum, hydrodesulfurised heavy
64742-95-6.	1-10	naphtha petroleum, light aromatic solvent
		pigments as
1333-86-4	1-5	carbon black
13463-67-7	1-5	titanium dioxide
Not Available	<10	Ingredients determined not to be hazardous
68476-85-7.	10-30	hydrocarbon propellant

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact	 If aerosols come in contact with the eyes: Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	 If solids or aerosol mists are deposited upon the skin: Flush skin and hair with running water (and soap if available). Remove any adhering solids with industrial skin cleansing cream. DO NOT use solvents. Seek medical attention in the event of irritation.
Inhalation	 If aerosols, fumes or combustion products are inhaled: Remove to fresh air. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor.
Ingestion	 Avoid giving milk or oils. Avoid giving alcohol. Not considered a normal route of entry. If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

Indication of any immediate medical attention and special treatment needed

- For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:
- Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure.
- Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO2 50 mm Hg) should be intubated.
- + Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evidence of myocardial injury has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.
- A chest x-ray should be taken immediately after stabilisation of breathing and circulation to document aspiration and detect the presence of pneumothorax
- + Epinephrine (adrenalin) is not recommended for treatment of bronchospasm because of potential myocardial sensitisation to catecholamines. Inhaled cardioselective bronchodilators (e.g. Alupent, Salbutamol) are the preferred agents, with aminophylline a second choice.
- + Lavage is indicated in patients who require decontamination; ensure use of cuffed endotracheal tube in adult patients. [Ellenhorn and Barceloux: Medical Toxicology]

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

- Alcohol stable foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.
- Water spray or fog Large fires only.
- SMALL FIRE:

 Water spray, dry chemical or CO2 LARGE FIRE:

Water spray or fog.

Special hazards arising from the substrate or mixture

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Fire Incompatibility	 Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
Advice for firefighters	
Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. If safe, switch off electrical equipment until vapour fire hazard removed. Use water delivered as a fine spray to control fire and cool adjacent area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.
Fire/Explosion Hazard	 Liquid and vapour are highly flammable. Severe fire hazard when exposed to heat or flame. Vapour forms an explosive mixture with air. Severe explosion hazard, in the form of vapour, when exposed to flame or spark. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition with violent container rupture. Aerosol cans may explode on exposure to naked flames. Rupturing containers may rocket and scatter burning materials. Hazards may not be restricted to pressure effects. May emit acrid, poisonous or corrosive fumes. On combustion, may emit toxic fumes of carbon monoxide (CO). Combustion products include: , carbon dioxide (CO2) , other pyrolysis products typical of burning organic material. Contains low boiling substance: Closed containers may rupture due to pressure buildup under fire conditions.
HAZCHEM	Not Applicable
	A

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	 Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Wear protective clothing, impervious gloves and safety glasses. Shut off all possible sources of ignition and increase ventilation. Wipe up. If safe, damaged cans should be placed in a container outdoors, away from all ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely.
Major Spills	 Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water courses No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Water spray or fog may be used to disperse / absorb vapour. Absorb or cover spill with sand, earth, inert materials or vermiculite. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Collect residues and seal in labelled drums for disposal.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	 The conductivity of this material may make it a static accumulator., A liquid is typically considered nonconductive if its conductivity is below 10 00 pS/m., Whether a liquid is nonconductive or semi-conductive, the precautions are the same., A number of factors, for example liquid temperature, presence of contaminants, and anti-static additives can greatly influence the conductivity of a liquid. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. Avoid smoking, naked lights or ignition sources. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. DO NOT spray directly on humans, exposed food or food utensils. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained
Other information	 Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can Store in original containers in approved flammable liquid storage area. DO NOT store in pits, depressions, basements or areas where vapours may be trapped. No smoking, naked lights, heat or ignition sources. Keep containers securely sealed. Contents under pressure. Store in a cool, dry, well ventilated area. Avoid storage at temperatures higher than 40 deg C. Store in an upright position. Protect containers against physical damage. Check regularly for spills and leaks. Observe manufacturer's storage and bandling recommendations contained within this SDS

Conditions for safe storage, including any incompatibilities

Suitable container	 Aerosol dispenser. Check that containers are clearly labelled.
Storage incompatibility	Compressed gases may contain a large amount of kinetic energy over and above that potentially available from the energy of reaction produced by the gas in chemical reaction with other substances

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	ethyl acetate	Ethyl acetate	720 mg/m3 / 200 ppm	1440 mg/m3 / 400 ppm	Not Available	Not Available
Australia Exposure Standards	naphtha, petroleum, hydrodesulfurised heavy	White spirits	790 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	carbon black	Carbon black	3 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	titanium dioxide	Titanium dioxide	10 mg/m3	Not Available	Not Available	Not Available
Australia Exposure Standards	hydrocarbon propellant	LPG (liquified petroleum gas)	1800 mg/m3 / 1000 ppm	Not Available	Not Available	Not Available

Ingredient	Material name	TEEL-	1 TEEL-2	TEEL-3
ethyl acetate	Ethyl acetate	1,200 ppm	1,700 ppm	10000 ppm
naphtha, petroleum, hydrodesulfurised heavy	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	350 mg/m3	1,800 3 mg/m3	40,000 mg/m3
naphtha, petroleum, hydrodesulfurised heavy	Petroleum distillates; petroleum ether; includes clay-treated light naphthenic [64742-45-6]; low boiling [68477-31-6]; petroleum extracts [64742-06-9]; petroleum base oil [64742-46-7]; petroleum 50 thinner, petroleum spirits [64475-85-0], Soltrol, VM&P naphtha [8032-32-4]; Ligroine, and paint solvent; petroleum paraffins C5-C20 [64771-72-8]; hydrotreated light naphthenic [64742-53-6]; solvent refined light naphthenic [64741-97-5]; and machine coolant 1	1,100 mg/m3	1,800 3 mg/m3	40,000 mg/m3
naphtha, petroleum, hydrodesulfurised heavy	Naphtha (coal tar); includes solvent naphtha, petroleum (64742-88-7), naphtha (petroleum) light aliphatic, rubber solvent (64742-89-8), heaevy catalytic cracked (64741-54-4), light straight run (64741-46-4), heavy aliphatic solvent (64742-96-7), high flash aromatic and aromatic solvent naphtha (64742-95-6)	1,200 mg/m3	6,700 3 mg/m3	40,000 mg/m3
naphtha, petroleum, hydrodesulfurised heavy	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	300 mg/m3	1,800 3 mg/m3	29500 mg/m3
carbon black	Carbon black	9 mg/m3	99 mg/m3	590 mg/m3
titanium dioxide	Titanium oxide; (Titanium dioxide)	30 mg/m3	330 3 mg/m3	2,000 mg/m3
hydrocarbon propellant	Liquified petroleum gas; (L.P.G.) 65,00 ppm		2.30E+05 ppm	4.00E+05 ppm
ethyl acetate			Not Available	
naphtha, petroleum, hydrodesulfurised heavy	20000 mg/m3 / 1,100 [LEL] ppm / 1,000 [LEL] ppm Not Available			
naphtha petroleum, light aromatic solvent	Not Available Not Available		Not Available	
carbon black	1750 mg/m3		Not Available	
titanium dioxide	5000 mg/m3		Not Available	
Ingredients determined not to be hazardous	Not Available		Not Available	
hydrocarbon propellant	2,000 [LEL] ppm		Not Available	

MATERIAL DATA

NOTE M: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.005% w/w benzo[a]pyrene (EINECS No 200-028-5). This note applies only to certain complex oil-derived substances in Annex IV.

European Union (EU) List of harmonised classification and labelling hazardous substances, Table 3.1, Annex VI, Regulation (EC) No 1272/2008 (CLP) - up to the latest ATP

NOTE P: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.01% w/w benzene (EINECS No 200-753-7). Note E shall also apply when the substance is classified as a carcinogen. This note applies only to certain complex oil-derived substances in Annex VI.

European Union (EU) List of harmonised classification and labelling hazardous substances, Table 3.1, Annex VI, Regulation (EC) No 1272/2008 (CLP) - up to the latest ATP

NOTE K: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.1%w/w 1,3-butadiene (EINECS No 203-450-8). - European Union (EU) List of harmonised classification and labelling hazardous substances, Table 3.1, Annex VI, Regulation (EC) No 1272/2008 (CLP) - up to the latest ATP

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. General exhaust is adequate under normal conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas.

Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant.

Type of Contaminant:	Speed:
aerosols, (released at low velocity into zone of active generation)	0.5-1 m/s
direct spray, spray painting in shallow booths, gas discharge (active generation into zone of rapid air motion)	1-2.5 m/s (200-500 f/min.)

Within each range the appropriate value depends on:

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Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.

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Safety glasses with side shields.

Chemical goggles.

Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]

Skin protection	See Hand protection below
Hands/feet protection	 No special equipment needed when handling small quantities. OTHERWISE: For potentially moderate exposures: Wear general protective gloves, eg. light weight rubber gloves. For potentially heavy exposures: Wear chemical protective gloves, eg. PVC. and safety footwear.
Body protection	See Other protection below
Other protection	 No special equipment needed when handling small quantities. OTHERWISE: Overalls. Skin cleansing cream. Eyewash unit. Do not spray on hot surfaces. The clothing worn by process operators insulated from earth may develop static charges far higher (up to 100 times) than the minimum ignition energies for various flammable gas-air mixtures. This holds true for a wide range of clothing materials including cotton. Avoid dangerous levels of charge by ensuring a low resistivity of the surface material worn outermost. BRETHERICK: Handbook of Reactive Chemical Hazards.
Thermal hazards	Not Available

Recommended material(s)

Personal protection

Eye and face protection

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index". The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection:

Spot Marking Paint - Black, Red, Blue, Green, Yellow, Orange, Purple, Lemon

Respiratory protection

Type AX Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Material	CPI
BUTYL	С
BUTYL/NEOPRENE	С
CPE	С
HYPALON	С
NATURAL RUBBER	С
NATURAL+NEOPRENE	С
NEOPRENE	С
NEOPRENE/NATURAL	С
NITRILE	С
NITRILE+PVC	С
PE/EVAL/PE	С
PVA	С
PVC	С
SARANEX-23	С
SARANEX-23 2-PLY	С
TEFLON	С
VITON/CHLOROBUTYL	С

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	AX-AUS	-	AX-PAPR-AUS / Class 1
up to 50 x ES	-	AX-AUS / Class 1	-
up to 100 x ES	-	AX-2	AX-PAPR-2 ^

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content. The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate. Aerosols, in common with most vapours/ mists, should never be used in confined spaces without adequate ventilation. Aerosols, containing agents designed to enhance or mask smell, have triggered allergic reactions in predisposed individuals.

* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion C: Poor to Dangerous Choice for other than short term immersion **NOTE**: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Aerosol; not miscible with water.

Physical state	Liquid Relative density (Water = 1)		0.8
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Applicable	Decomposition temperature	
Melting point / freezing point (°C)	Not Available	Viscosity (cSt) Not	
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	-81 (hydrocarbon propellant)	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	HIGHLY FLAMMABLE.	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Immiscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	 Elevated temperatures. Presence of open flame. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhalation of aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual. Limited evidence or practical experience suggests that the material may produce irritation of the respiratory system, in a significant number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens, may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system.
 Common, generalised symptoms associated with toxic gas inhalation include: central nervous system effects such as depression, headache, confusion, dizziness, progressive stupor, coma and seizures; respiratory system complications may include acute pulmonary oedema, dyspnoea, stridor, tachypnoea, bronchospasm, wheezing and other reactive airway symptoms, and respiratory arrest; cardiovascular effects may include cardiovascular collapse, arrhythmias and cardiac arrest; gastrointestinal effects may also be present and may include mucous membrane irritation, nausea and vomiting (sometimes bloody), and abdominal pain. Inhalation hazard is increased at higher temperatures. Acute effects from inhalation of high concentrations of vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression - characterised by headache and dizziness, increased reaction time, fatigue and loss of co-ordination Central nervous system (CNS) depression may include nonspecific discomfort, symptoms of giddiness, headache, dizziness, nausea, anaesthetic effects, slowed reaction time, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal. WARNING:Intentional misuse by concentrating/inhaling contents may be lethal.
Accidental ingestion of the material may be damaging to the health of the individual. Not normally a hazard due to physical form of product. Considered an unlikely route of entry in commercial/industrial environments Central nervous system (CNS) depression may include nonspecific discomfort, symptoms of giddiness, headache, dizziness, nausea, anaesthetic effects, slowed reaction time, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal.
Repeated exposure may cause skin cracking, flaking or drying following normal handling and use. Skin contact with the material may damage the health of the individual; systemic effects may result following absorption. Spray mist may produce discomfort Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals and/or may produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Repeated or prolonged eye contact may cause inflammation characterised by temporary redness (similar to windburn) of the conjunctivia (conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur. Direct contact with the eye may not cause irritation because of the extreme volatility of the gas; however concentrated atmospheres may produce irritation after brief exposures

	On the basis, primarily, of animal experiments, concerr	has been expressed that the material may produce carcinogenic	
	or nutagenic effects; in respect of the available information, however, there presently exists inadequate data for making		
Chronic	Prolonged or repeated skin contact may cause drying w	vith cracking, irritation and possible dermatitis following.	
Chronic	Limited evidence suggests that repeated or long-term of involving organs or biochemical systems.	occupational exposure may produce cumulative health effects	
	Principal route of occupational exposure to the gas is by inhalation.		
	WARNING: Aerosol containers may present pressure re	elated hazards.	
Spot Marking Paint -	TOVICITY		
Black, Red, Blue, Green, Yellow, Orange, Purple,	Not Available	Not Available	
Lemon			
	ΤΟΧΙΟΙΤΥ	IRRITATION	
ethyl acetate	Inhalation (rat) LC50: 50 mg/l1 h ^[1]	Eye (human): 400 ppm	
	Oral (rat) LD50: 5620 mg/kg ^[2]		
	тохісіту	IRRITATION	
	Dermal (rabbit) LD50: >1900 mg/kg ^[1]	Not Available	
	Dermal (rabbit) LD50: >1900 mg/kg ^[1]		
	Dermal (rabbit) LD50: >1900 mg/kg ^[1]		
	Dermal (rabbit) LD50: >1900 mg/kg ^[1]		
	dermal (rat) LD50: 28000 mg/kg ^[2]		
	Inhalation (rat) LC50: >2796.8052 mg/l/8H ^[2]		
naphtha, petroleum, hydrodesulfurised heavy	Inhalation (rat) LC50: 3396.1206 mg/l/4H ^[2]		
	Inhalation (rat) LC50: 61 mg/l/4H ^[2]		
	Oral (rat) LD50: >4300 mg/kg ^[2]		
	Oral (rat) LD50: >4500 mg/kg ^[1]		
	Oral (rat) LD50: >4500 mg/kg ^[1]		
	Oral (rat) LD50: >4500 mg/kg ^[1]		
	Oral (rat) LD50: >4500 mg/kg ^[1]		
	Oral (rat) LD50: >5000 mg/kg ^[1]		
	TOXICITY	IRRITATION	
naphtha petroleum, light	Dermal (rabbit) LD50: >1900 mg/kg ^[1]	Not Available	
aromatic solvent	Inhalation (rat) LC50: >7331.62506 mg/l/8h* ^[2]		
	Oral (rat) LD50: >4500 mg/kg ^[1]		
	тохісіту	IRRITATION	
carbon black	Dermal (rabbit) LD50: >3000 mg/kg ^[2]	Not Available	
	Oral (rat) LD50: >10000 mg/kg ^[1]		
	тохісіту	IRRITATION	
titanium dioxide	Inhalation (rat) LC50: >2.28 mg/l4 h ^[1]	Skin (human): 0.3 mg /3D (int)-mild *	
	Oral (rat) LD50: >2000 mg/kg ^[1]		
	тохісіту	IRRITATION	
hydrocarbon propellant	Inhalation (rat) LC50: 84.684 mg/l15 min ^[1]	Not Available	
	Inhalation (rat) LC50: 90.171125 mg/l15 min ^[1]		
Legend:	1. Value obtained from Europe ECHA Registered Substa	ances - Acute toxicity 2.* Value obtained from manufacturer's SDS.	
	Unless otherwise specified data extracted from RTECS	- Register of Toxic Effect of chemical Substances	

NAPHTHA, PETROLEUM,
HYDRODESULFURISED
HEAVY

Studies indicate that normal, branched and cyclic paraffins are absorbed from the mammalian gastrointestinal tract and that the absorption of n-paraffins is inversely proportional to the carbon chain length, with little absorption above C30. With respect to the carbon chain lengths likely to be present in mineral oil, n-paraffins may be absorbed to a greater extent that

	iso- or cyclo-paraffins. The major classes of hydrocarbons have been shown to be well absorbed by the gastrointestinal tract in various species. In many cases, the hydrophobic hydrocarbons are ingested in association with dietary lipids. The dependence of hydrocarbon absorption on concomitant triglyceride digestion and absorption, is known as the "hydrocarbon continuum hypothesis", and asserts that a series of solubilising phases in the intestinal lumen, created by dietary triglycerides and their digestion products, afford hydrocarbons a route to the lipid phase of the intestinal absorptive cell (enterocyte) membrane. While some hydrocarbons may traverse the mucosal epithelium unmetabolised and appear as solutes in lipoprotein particles in intestinal lymph, there is evidence that most hydrocarbons partially separate from nutrient lipids and undergo metabolic transformation in the enterocyte. The enterocyte may play a major role in determining the proportion of an absorbed hydrocarbon that, by escaping initial biotransformation, becomes available for deposition in its unchanged form in peripheral tissues such as adipose tissue, or in the liver.
	The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis. For titanium dioxide: Humans can be exposed to titanium dioxide via inhalation, ingestion or dermal contact. In human lungs, the clearance
	kinetics of titanium dioxide is poorly characterized relative to that in experimental animals. (General particle characteristics and host factors that are considered to affect deposition and retention patterns of inhaled, poorly soluble particles such as titanium dioxide are summarized in the monograph on carbon black.) With regard to inhaled titanium dioxide, human data are mainly available from case reports that showed deposits of titanium dioxide in lung tissue as well as in lymph nodes. A single clinical study of oral ingestion of fine titanium dioxide showed particle size-dependent absorption by the gastrointestinal tract and large interindividual variations in blood levels of titanium dioxide. Studies on the application of sunscreens containing ultrafine titanium dioxide to healthy skin of human volunteers revealed that titanium dioxide particles only penetrate into the outermost layers of the stratum corneum, suggesting that healthy skin is an effective barrier to titanium dioxide. There are no studies on penetration of titanium dioxide-exposed workers include decline in lung function, pleural disease with plaques and pleural thickening, and mild fibrotic changes. However, the workers in these studies were also exposed to asbestos and/or silica.
	No data were available on genotoxic effects in titanium dioxide-exposed humans. Many data on deposition, retention and clearance of titanium dioxide in experimental animals are available for the inhalation route. Titanium dioxide inhalation studies showed differences — both for normalized pulmonary burden (deposited mass per dry lung, mass per body weight) and clearance kinetics — among rodent species including rats of different size, age and strain. Clearance of titanium dioxide is also affected by pre-exposure to gaseous pollutants or co-exposure to cytotoxic aerosols. Differences in dose rate or clearance kinetics and the appearance of focal areas of high particle burden have been implicated in the higher toxic and inflammatory lung responses to intratracheally instilled vs inhaled titanium dioxide particles. Experimental studies with titanium dioxide have demonstrated that rodents experience dose-dependent impairment of alveolar macrophage-mediated clearance. Hamsters have the most efficient clearance of inhaled titanium dioxide. Ultrafine primary particles of titanium dioxide are more slowly cleared than their fine counterparts.
TITANIUM DIOXIDE	Titanium dioxide causes varying degrees of inflammation and associated pulmonary effects including lung epithelial cell injury, cholesterol granulomas and fibrosis. Rodents experience stronger pulmonary effects after exposure to ultrafine titanium dioxide particles compared with fine particles on a mass basis. These differences are related to lung burden in terms of particle surface area, and are considered to result from impaired phagocytosis and sequestration of ultrafine particles into the interstitium.
	Fine titanium dioxide particles snow minimal cytotoxicity to and inflammatory/pro-fibrotic mediator release from primary human alveolar macrophages in vitro compared with other particles. Ultrafine titanium dioxide particles inhibit phagocytosis of alveolar macrophages in vitro at mass dose concentrations at which this effect does not occur with fine titanium dioxide. In-vitro studies with fine and ultrafine titanium dioxide and purified DNA show induction of DNA damage that is suggestive of the generation of reactive oxygen species by both particle types. This effect is stronger for ultrafine than for fine titanium oxide, and is markedly enhanced by exposure to simulated sunlight/ultraviolet light.
	Pigmentary and ultrafine titanium dioxide were tested for carcinogenicity by oral administration in mice and rats, by inhalation in rats and female mice, by intratracheal administration in hamsters and female rats and mice, by subcutaneous injection in rats and by intraperitoneal administration in male mice and female rats. In one inhalation study, the incidence of benign and malignant lung tumours was increased in female rats. In another inhalation study, the incidences of lung adenomas were increased in the high-dose groups of male and female rats. Cystic keratinizing lesions that were diagnosed as squamous-cell carcinomas but re-evaluated as non-neoplastic pulmonary keratinizing cysts were also observed in the high-dose groups of female rats. Two inhalation studies in rats and one in
	female mice were negative. Intratracheally instilled female rats showed an increased incidence of both benign and malignant lung tumours following treatment with two types of titanium dioxide. Tumour incidence was not increased in intratracheally instilled hamsters and female mice. In-vivo studies have shown enhanced micronucleus formation in bone marrow and peripheral blood lymphocytes of intraperitoneally instilled mice. Increased Hprt mutations were seen in lung epithelial cells isolated from titanium dioxide- instilled rats. In another study, no enhanced oxidative DNA damage was observed in lung tissues of rats that were

WARNING: This substance has been classified by the IARC as Group 2B: Possibly Carcinogenic to Humans.

negative.

intratracheally instilled with titanium dioxide. The results of most in-vitro genotoxicity studies with titanium dioxide were

	* IUCLID		
HYDROCARBON PROPELLANT	for Petroleum Hydrocarbon Gases: In many cases, there is more than one potentially toxic constituent in a refin is most toxic for a particular endpoint in an individual refinery stream is used stream. The hazard potential for each mammalian endpoint for each of the pe upon each petroleum hydrocarbon gas constituent endpoint toxicity values (I concentration of the constituent present in that gas. It should also be noted ti gas, the constituent characterizing toxicity may be different for different marr upon the concentration of the different constituents in each, distinct petroleum All Hydrocarbon Gases Category members contain primarily hydrocarbons (i asphyxiant gases like hydrogen. The inorganic components of the petroleum C1 - C4 and C5 - C6 hydrocarbon components to both mammalian and aqual categories (e.g. gasoline, diesel fuel, lubricating oils, etc.), the inorganic and gases can be evaluated for hazard individually to then predict the screening Acute toxicity : No acute toxicity LC50 values have been derived for the C1 because no mortallity was observed at the highest exposure levels tested (~ constituents. The order of acute toxicity of petroleum hydrocarbon gas cons C5-C6 HCs (LC50 > 1063 ppm) > C1-C4 HCs (LC50 > 10,000 ppm) > benzen 129,000 ppm) > asphyxiant gases (hydrogen, carbon dioxide, nitrogen). Repeat dose toxicity : With the exception of the asphyxiant gases (hydrogen cindividual selected petroleum hydrocarbon gas constituents. Based upon LO/ repeated-dose toxicity of these constituents from most toxic to the least tox Benzene (LOAEL =.>=10 ppm) > C1-C4 HCs (LCAEL = 5,000 ppm; assumed to 6,625 ppm) > butadiene (LOAEL = 8,000 ppm) > asphyxiant gases (hydrogen Genotoxicity: In vitro: The majority of the Petroleum Hydrocarbon Gases Category compor vivo genotoxicity. The exceptions are benzene and 1,3-butadiene, which are genotoxic in <i>in vivo</i> test Developmental toxicity : Developmental effects were induced by two of the benzene and the C5 -C6 hydrocarbon fracti	ery gas. In those cases, the constituent that to characterize the endpoint hazard for that etroleum hydrocarbon gases is dependent .C50, LOAEL, etc.) and the relative hat for an individual petroleum hydrocarbon imalian endpoints, again, being dependent m hydrocarbon gas. .e., alkanes and alkenes) and occasionally hydrocarbon gases are less toxic than the ic organisms. Unlike other petroleum product hydrocarbon constituents of hydrocarbon level hazard of the Category members -C4 and C5- C6 hydrocarbon (HC) fractions 5 mg/l) for these petroleum hydrocarbon gas tituents from most to least toxic is: e (LC50 = 13,700 ppm) > butadiene (LC50 = d dose toxicity has been observed in AEL values, the order of order of ic is: be 100% 2-butene) > C5-C6 HCs (LOAEL = , carbon dioxide, nitrogen). onents are negative for <i>in vitro</i> genotoxicity. rial and mammalian <i>in vitro</i> test systems. Inents are negative for <i>in</i> systems petroleum hydrocarbon gas constituents, s observed at the highest exposure levels effect. The asphyxiant gases have not been order of acute toxicity of these constituents as (LOAEL = 3,463 ppm) > C1-C4 HCs hydrogen, carbon dioxide, nitrogen). Delum hydrocarbon gas constituents, benzene roductive toxicity was observed at the highest a tested for this effect. The asphyxiant gases - values, the order of reproductive toxicity of Cs (NOAEL .>=6,521 ppm) > C1-C4 HCs ydrogen, carbon dioxide, nitrogen).	
NAPHTHA, PETROLEUM, HYDRODESULFURISED HEAVY & HYDROCARBON PROPELLANT	No significant acute toxicological data identified in literature search.		
A suite Taula Itu		-4	
Acute Ioxicity	Carcinogenicity	•	
Skin irritation/Corrosion	Keproductivity	<u> </u>	
Damage/Irritation	STOT - Single Exposure	*	
Respiratory or Skin sensitisation	STOT - Repeated Exposure	\otimes	

Mutagenicity

 \bigcirc

Legend: 🗙 ·

Aspiration Hazard

Data available but does not fill the criteria for classification
 Data available to make classification

🚫 – Data Not Available to make classification

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SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Spot Marking Paint -	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
Yellow, Orange, Purple, Lemon	Not Available	Not Available	Not Available	Not Available	Not Available

	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
ethyl acetate	LC50	96	Fish	212.5mg/L	4
	EC50	48	Crustacea	=164mg/L	1
	EC50	96	Algae or other aquatic plants	2500mg/L	4
	BCF	24	Algae or other aquatic plants	0.05mg/L	4
	NOEC	504	Crustacea	2.4mg/L	4
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	EC50	72	Algae or other aquatic plants	=13mg/L	1
	NOEC	72	Algae or other aquatic plants	=0.1mg/L	1
	EC50	48	Crustacea	>100ma/L	1
	EC50	96	Algae or other aquatic plants	=450mg/L	1
	EC50	72	Algae or other aquatic plants	=6.5mg/L	1
	NOEC	72	Algae or other aquatic plants	<0.1mg/L	1
	LC50	96	Fish	0.00746mg/L	4
naphtha, petroleum,	EC50	48	Crustacea	0.058mg/L	4
hydrodesulfurised heavy	BCF	96	Fish	0.2ma/L	4
	NOEC	168	Crustacea	<=0.05ma/L	4
	LC50	96	Fish	8.8mg/L	4
	EC50	48	Crustacea	3.7mg/L	4
	EC50	72	Algae or other aquatic plants	=6.5mg/l	1
	NOFC	72	Algae or other aquatic plants	<0.1mg/l	1
	FC50	72	Algae or other aquatic plants	=6.5mg/l	1
	NOEC	72	Algae or other aquatic plants	<0.1mg/L	1
	ENDROINT	TEST DUDATION (UD)	SPECIES		SOURCE
naphtha petroleum, light aromatic solvent	EC50		Crustacea	-6 14mg/l	
	EC50	72	Algae or other aquatic plants	3 29mg/l	· 1
	EC10	72	Algae or other aquatic plants	1 13mg/L	1
	NOFC	72	Algae or other aquatic plants	=1mg/l	· 1
				,g, L	
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
carbon black	LC50	96	Fish	=1000mg/L	1
	NOEC	96	Fish	=1000mg/L	1
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
	LC50	96	Fish	155mg/L	2
	EC50	48	Crustacea	>10mg/L	2
titanium dioxide	EC50	72	Algae or other aquatic plants	5.83mg/L	4
	EC20	72	Algae or other aquatic plants	1.81mg/L	4
	NOEC	336	Fish	0.089mg/L	4
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
hydrocarbon propellant	Not Available	Not Available	Not Available	Not Available	Not Available
Legend:	Extracted from Toxicity 3. EF Data 5. ECE	m 1. IUCLID Toxicity Data 2. Euro NWIN Suite V3.12 (QSAR) - Aqua FOC Aquatic Hazard Assessment	ppe ECHA Registered Substances - Ecotoxico atic Toxicity Data (Estimated) 4. US EPA, Eco Data 6. NITE (Japan) - Bioconcentration Data	logical Information - tox database - Aqua 7. METI (Japan) -	Aquatic tic Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. **DO NOT** discharge into sewer or waterways.

Persistence and degradability

Ingredient

ethyl acetate	LOW (Half-life = 14 days)	LOW (Half-life = 14.71 days)	
titanium dioxide	HIGH	HIGH	

Bioaccumulative potential

Ingredient	Bioaccumulation
ethyl acetate	HIGH (BCF = 3300)
titanium dioxide	LOW (BCF = 10)

Mobility in soil

Ingredient	Mobility
ethyl acetate	LOW (KOC = 6.131)
titanium dioxide	LOW (KOC = 23.74)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal	 DO NOT allow wash water from cleaning or process equipment to enter drains. It may be necessary to collect all wash water for treatment before disposal. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority. Consult State Land Waste Management Authority for disposal. Discharge contents of damaged aerosol cans at an approved site. Allow small quantities to evaporate. DO NOT incinerate or puncture aerosol cans. Bury residues and emptied aerosol cans at an approved site.
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SECTION 14 TRANSPORT INFORMATION

Labels Required

	2
Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (ADG)

1950
AEROSOLS
Class 2.1 Subrisk Not Applicable
Not Applicable
Not Applicable
Special provisions63 190 277 327 344Limited quantity1000ml

Air transport (ICAO-IATA / DGR)

UN number	1950
UN proper shipping name	Aerosols, flammable; Aerosols, flammable (engine starting fluid)
Transport hazard class(es)	ICAO/IATA Class 2.1 ICAO / IATA Subrisk Not Applicable

	ERG Code 10L	
Packing group	Not Applicable	
Environmental hazard	Not Applicable	
Special precautions for user	Special provisions	A145 A167 A802; A1 A145 A167 A802
	Cargo Only Packing Instructions	203
	Cargo Only Maximum Qty / Pack	150 kg
	Passenger and Cargo Packing Instructions	203; Forbidden
	Passenger and Cargo Maximum Qty / Pack	75 kg; Forbidden
	Passenger and Cargo Limited Quantity Packing Instructions	Y203; Forbidden
	Passenger and Cargo Limited Maximum Qty / Pack	30 kg G; Forbidden

Sea transport (IMDG-Code / GGVSee)

UN number	1950	
UN proper shipping name	AEROSOLS	
Transport hazard class(es)	IMDG Class 2.1 IMDG Subrisk Not Applicable	
Packing group	Not Applicable	
Environmental hazard	Not Applicable	
Special precautions for user	EMS NumberF-D, S-USpecial provisions63 190 277 327 344 381 959Limited Quantities1000ml	

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

Not Applicable

SECTION 15 REGULATORY INFORMATION

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

ETHYL ACETATE(141-78-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards	Australia Inventory of Chemical Substances (AICS)		
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix B (Part 3)		
NAPHTHA, PETROLEUM, HYDRODESULFURISED HEAVY(64742-82-1.) IS FO	OUND ON THE FOLLOWING REGULATORY LISTS		
Australia Exposure Standards	Australia Standard for the Uniform Scheduling of Medicines and Poisons		
Australia Hazardous Chemical Information System (HCIS) - Hazardous	(SUSMP) - Schedule 5		
Chemicals	International Agency for Research on Cancer (IARC) - Agents Classified		
Australia Inventory of Chemical Substances (AICS)	by the IARC Monographs		
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix E (Part 2)	International Air Transport Association (IATA) Dangerous Goods Regulations - Prohibited List Passenger and Cargo Aircraft		
NAPHTHA PETROLEUM, LIGHT AROMATIC SOLVENT(64742-95-6.) IS FOUND ON THE FOLLOWING REGULATORY LISTS			
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix E (Part 2)		
Australia Inventory of Chemical Substances (AICS)	Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5		
CARBON BLACK(1333-86-4) IS FOUND ON THE FOLLOWING REGULATOR	Y LISTS		
Australia Exposure Standards	International Agency for Research on Cancer (IARC) - Agents Classified		
Australia Inventory of Chemical Substances (AICS)	by the IARC Monographs		
TITANIUM DIOXIDE(13463-67-7) IS FOUND ON THE FOLLOWING REGULAT	ORY LISTS		

Australia Exposure Standards	International Agency for Research on Cancer (IARC) - Agents Classified
Australia Inventory of Chemical Substances (AICS)	by the IARC Monographs

HYDROCARBON PROPELLANT(68476-85-7.) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards	Australia Standard for the Uniform Scheduling of Medicines and Poisons
Australia Hazardous Chemical Information System (HCIS) - Hazardous	(SUSMP) - Appendix E (Part 2)
Chemicals	Australia Standard for the Uniform Scheduling of Medicines and Poisons
Australia Inventory of Chemical Substances (AICS)	(SUSMP) - Schedule 5

National Inventory	Status
Australia - AICS	Y
Canada - DSL	Y
Canada - NDSL	N (ethyl acetate; naphtha petroleum, light aromatic solvent; hydrocarbon propellant; naphtha, petroleum, hydrodesulfurised heavy; carbon black)
China - IECSC	Y
Europe - EINEC / ELINCS / NLP	Υ
Japan - ENCS	Y
Korea - KECI	Y
New Zealand - NZIoC	Y
Philippines - PICCS	Y
USA - TSCA	Y
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

SECTION 16 OTHER INFORMATION

Revision Date	13/01/2017

Other information

Ingredients with multiple cas numbers

Name	CAS No
naphtha, petroleum, hydrodesulfurised heavy	64742-82-1., 64741-92-0., 8052-41-3., 1030262-12-4., 8032-32-4., 8030-30-6., 64742-88-7., 64742-89-8., 8002-05-9., 61789-95-5., 64742-48-9., 101795-02-2., 8031-06-9., 8030-31-7., 50813-73-5., 54847-97-1., 121448-83-7., 8031-38-7., 8031-39-8.
naphtha petroleum, light aromatic solvent	64742-95-6., 25550-14-5.
titanium dioxide	13463-67-7, 1317-70-0, 1317-80-2, 12188-41-9, 1309-63-3, 100292-32-8, 101239-53-6, 116788-85-3, 12000-59-8, 12701-76-7, 12767-65-6, 12789-63-8, 1344-29-2, 185323-71-1, 185828-91-5, 188357-76-8, 188357-79-1, 195740-11-5, 221548-98-7, 224963-00-2, 246178-32-5, 252962-41-7, 37230-92-5, 37230-94-7, 37230-95-8, 37230-96-9, 39320-58-6, 39360-64-0, 39379-02-7, 416845-43-7, 494848-07-6, 494848-23-6, 494851-77-3, 494851-98-8, 55068-84-3, 55068-85-4, 552316-51-5, 62338-64-1, 767341-00-4, 97929-50-5, 98084-96-9
hydrocarbon propellant	68476-85-7., 68476-86-8.

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

- PC-TWA: Permissible Concentration-Time Weighted Average
- PC-STEL: Permissible Concentration-Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- TEEL: Temporary Emergency Exposure Limit。
- IDLH: Immediately Dangerous to Life or Health Concentrations
- OSF: Odour Safety Factor
- NOAEL :No Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect Level
- TLV: Threshold Limit Value
- LOD: Limit Of Detection
- OTV: Odour Threshold Value

BCF: BioConcentration Factors BEI: Biological Exposure Index

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