



SAFETY DATA SHEET NICKEL SCREENING COMPOUND PLUS

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

PRODUCT NAME NICKEL SCREENING COMPOUND PLUS
PRODUCT NO. ENSCP05L
APPLICATION Conformal coating for appliance protection
SUPPLIER ELECTROLUBE. A division of HK
 WENTWORTH LTD
 KINGSBURY PARK, MIDLAND
 ROAD
 SWADLINCOTE
 DERBYSHIRE, DE11 0AN
 UNITED KINGDOM
 +44(0)1283 222 111
 +44(0)1283 550 177
 info@hkw.co.uk
EMERGENCY TELEPHONE +44(0)1283 222 111 between 8.30 am - 5.00pm Mon - Fri

2 HAZARDS IDENTIFICATION

Highly flammable.
Irritating to eyes.
Limited evidence of a carcinogenic effect.
May cause sensitisation by skin contact.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.
CLASSIFICATION Carc 3;R40. Xi;R36. R43. F;R11. R66, R67.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTYL ACETATE -norm	204-658-1	123-86-4	10-30%	R10 R66 R67
NICKEL	231-111-4	7440-02-0	10-30%	Carc3;R40 R43
ETHYL ACETATE	205-500-4	141-78-6	10-30%	F;R11 Xi;R36 R66 R67
PROPAN-2-OL	200-661-7	67-63-0	1-5%	F;R11 Xi;R36 R67
METHANOL	200-659-6	67-56-1	1-5%	F;R11 T;R23/24/25,R39/23/24/25

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Rinse mouth thoroughly. Get medical attention.

SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

NICKEL SCREENING COMPOUND PLUS

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. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Alcohol resistant foam. Powder. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

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

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m3	200 ppm	966 mg/m3
ETHYL ACETATE	WEL	200 ppm		400 ppm	
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)
NICKEL	WEL		0.5 mg/m3(Sk)		
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide sufficient ventilation during operations which cause vapour formation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

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

NICKEL SCREENING COMPOUND PLUS

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. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	FLASH POINT (°C)	-5 CC (Closed cup).
RELATIVE DENSITY	0.90 @ 20 °c		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

11 TOXICOLOGICAL INFORMATION

INHALATION

Vapours may cause headache, fatigue, dizziness and nausea. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

INGESTION

May cause stomach pain or vomiting.

SKIN CONTACT

May cause sensitisation by skin contact. Prolonged or repeated exposure may cause severe irritation.

EYE CONTACT

Irritating to eyes.

Other Health Effects

Suspect Cancer Hazard.

Name	METHANOL
Toxic Dose 1 - LD 50	9100 mg/kg (oral rat)
Toxic Conc. - LC 50	145000 ppm/4h (inh-rat)
Name	PROPAN-2-OL
Toxic Dose 1 - LD 50	5045 mg/kg (oral rat)
Toxic Dose 2 - LD 50	3600 mg/kg (oral-mouse)
Toxic Conc. - LC 50	47-73 mg/l/4h (inh-rat)
Name	ETHYL ACETATE
Toxic Dose 1 - LD 50	5620 mg/kg (oral rat)
Toxic Dose 2 - LD 50	18,000 mg/kg (oral-rbt)
Toxic Conc. - LC 50	1600 ppm/4h (inh-rat)
Name	BUTYL ACETATE -norm
Toxic Dose 1 - LD 50	14,100 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

NICKEL SCREENING COMPOUND PLUS

Name METHANOL
 LC 50, 96 Hrs, FISH mg/l 10800
 EC 50, 48 Hrs, DAPHNIA, mg/l 24500
 IC 50, 72 Hrs, ALGAE, mg/l 8000

Mobility

The product is soluble in water.

Bioaccumulation potential

The product is not bioaccumulating.

Name PROPAN-2-OL
 LC 50, 96 Hrs, FISH mg/l 9600
 EC 50, 48 Hrs, DAPHNIA, mg/l 10000

Name ETHYL ACETATE
 LC 50, 96 Hrs, FISH mg/l 270
 EC 50, 48 Hrs, DAPHNIA, mg/l 2306

Name BUTYL ACETATE -norm
 LC 50, 96 Hrs, FISH mg/l >96
 EC 50, 48 Hrs, DAPHNIA, mg/l 72.8
 IC 50, 72 Hrs, ALGAE, mg/l 674

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	3		
PROPER SHIPPING NAME	PAINT		
UN NO. ROAD	1263	UK ROAD PACK GR.	II
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II	HAZARD No. (ADR)	33
ADR LABEL NO.	3	HAZCHEM CODE	3YE
CEFIC TEC(R) NO.	30GF1-I+II, 30GF1-sp	RID CLASS NO.	3
RID PACK GROUP	II	UN NO. SEA	1263
IMDG CLASS	3	IMDG PACK GR.	II
EMS	F-E, S-E	MARINE POLLUTANT	No.
UN NO. AIR	1263	AIR CLASS	3
AIR PACK GR.	II		

15 REGULATORY INFORMATION

SYMBOLS



Harmful



Highly Flammable

CONTAINS

NICKEL

RISK PHRASES

R11 Highly flammable.
 R36 Irritating to eyes.

NICKEL SCREENING COMPOUND PLUS

R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51	Use only in well-ventilated areas.
S36/37	Wear suitable protective clothing and gloves.

UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 1988.

Chemicals (Hazard Information & Packaging) Regulations.

ENVIRONMENTAL LISTING

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980. Control of Pollution Act 1974.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC.

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

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

REVISION COMMENTS

Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

ISSUED BY

Helen O'Reilly

REVISION DATE

APRIL 2008

REV. NO./REPL. SDS GENERATED 0

SDS NO.

12621

RISK PHRASES IN FULL

R10	Flammable.
R11	Highly flammable.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

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DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.