

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION & COMPANY

Product Name RUGE'S SOLUTION

Product Code 62066X

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
FORMALDEHYDE	200-001-8	50-00-0	0.2-1%	Carc3;R40 T;R23/24/25 C;R34 R43
ACETIC ACID	200-580-7	64-19-7	0-1%	R10 C; R35
METHANOL	200-659-6	67-56-1	0-0.1%	F; R11 T; R23/24/25, R39/23/24/25

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

3. HAZARDS IDENTIFICATION

CLASSIFICATION Xi; R43

- May cause sensitisation by skin contact

4. FIRST-AID MEASURES**INHALATION**

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention.

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if discomfort occurs.

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.

5. FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Use fire-extinguishing media appropriate for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Flush area with water.

7. HANDLING & STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Persons susceptible for allergic reactions should not handle this product.

STORAGE PRECAUTIONS

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical	Std	8h TWA		STEL	
FORMALDEHYDE	WEL	2 ppm	2.5 mg/m ³	2 ppm	2.5 mg/m ³
ACETIC ACID	WEL	10 ppm	25 mg/m ³	15 ppm	35 mg/m ³
METHANOL	WEL (skin)	200 ppm	260 mg/m ³	250 ppm	310 mg/m ³

WEL = Workplace Exposure Limits; TWA – time-weighted average; STEL – short-term EL

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

Well-ventilated area.

RESPIRATORY EQUIPMENT

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

HAND PROTECTION

Wear 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, tight fitting safety glasses where splashing is probable.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin 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. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Colourless Liquid
ODOUR	Faintly formaldehyde
SOLUBILITY	Soluble in water.
BOILING POINT	~ 101°C 760 mmHg
RELATIVE DENSITY	~ 1.01 @ 20°C

10. STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

11. TOXICOLOGICAL INFORMATION**INHALATION**

May cause irritation to the respiratory system.

INGESTION

May cause discomfort if swallowed. May cause stomach pain or vomiting.

SKIN CONTACT

May cause sensitisation by skin contact. May cause skin irritation.

EYE CONTACT

Prolonged contact may cause transient eye irritation.

OTHER HEALTH EFFECTS

Formaldehyde is a Category 3 Carcinogen.

MEDICAL CONSIDERATIONS

Skin disorders and allergies.

12. ECOLOGICAL INFORMATION**ECOTOXICITY**

Not regarded as dangerous for the environment.

13. DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

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

14. TRANSPORT INFORMATION

GENERAL The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15. REGULATORY INFORMATION**LABELLING**

Irritant

RISK PHRASES

R43 May cause sensitisation by skin contact.

SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37 Wear suitable protective clothing and gloves.

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health. Chemicals (Hazard Information and Packaging) Regulations.

GUIDANCE NOTES

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

16. OTHER INFORMATION**GENERAL INFORMATION**

This safety data sheet covers all codes for this product.

REVISION COMMENTS

New document.

REVISION DATE

05-2009

REV. NO./REPL. SDS GENERATED

1 / New MSDS

RISK PHRASES IN FULL

R11	Highly flammable
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R34	Causes burns
R36/37	Irritating to eyes and respiratory system
R40	Limited evidence of a carcinogenic effect
R43	May cause sensitisation by skin contact