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Order from OIS or SLA \$1.10 61-28132

Trans. from mono. Obogashchenie Poleznykh
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DESCRIPTORS: *Flotation, Processing, Minerals,
Reagents, *Zinc compounds, Carbonates, Ores,
*Sodium compounds, Sulfides.

The best medium for floating smithsonite is a weakly
alkaline one (pH = 7.4 - 8.0). When the sulphidation
temperature is 60-65° the optimum hydrogen ion con-
centration range is displaced towards a more neutral
(Metallurgy, TT, v. 6, no. 11) (over)

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- I. Anfimova, E. A.
- II. Glembotskii, V. A.
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- IV. Title: Flotation properties...
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- VI. DSIR NT-844
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DESCRIPTORS: *Flotation, Processing, *Sulfides,
 Minerals, Oxidation, Chemical reactions, Reagents,
 *Lead compounds.

The rate of reaction of collectors with mineral parti-
 cles is assessed by determining variations in the
 hydrophobicity of their surface as the contact time be-
 tween the reagent and the minerals is varied. From
 the experimental results it is possible broadly to
 (Metallurgy, TT, v. 6, no. 11) (over)

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- II. Pikkat-Ordynakaya, A. P.
- III. Title: Rate...
- IV. Title: Mineral...
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Trans. from mono. Obogashchenie Poleznykh
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DESCRIPTORS: *Flotation, Vacuum apparatus,
 Bubbles, Minerals, Ores, Particles, Solutions,
 Minerals, Processing.

A comparative experimental evaluation of the floatability of particles smaller than 10 μ by air-bubbles liberated from solution and by air-bubbles dispersed by mechanical agitation of the medium showed that the first method is much the more efficient. Flotation of (Metallurgy, TT, v. 6, no. 11) (over)

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- I. Klaassen, V. I.
- II. Meshcheryakov, N. F.
- III. Title: Vacuum...
- IV. Title: Mineral...
- V. DSIR NT-842
- VI. DSIR LLU M. 3191
- VII. Department of Scientific and Industrial Research (Gt. Brit.)

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Plaksin, I. N., Olofinakii, N. F., and Norkin, V. V.
 ELECTRICAL AND ELECTROMAGNETIC METHODS
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 CHARGED PARTICLES ALONG THE EARTHED
 ELECTRODE WITH GROUP MIGRATION IN THE
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Trans. from mono. Obogashchenie Poleznykh
 Iskopaemykh (Mineral Dressing) Moscow, 19(0,
 sect. 1, chap. 4.

DESCRIPTORS: *Particles, Physical properties.
 *Separation, Distribution, Electrodes, Voltage, Re-
 covery, *Electrical corona, *Minerals, Processing.
 *Electric fields, Ores, Coal.

(Metallurgy, TT, v. 6, no. 11)

(over)

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- I. Plaksin, I. N.
- II. Olofinakii, N. F.
- III. Norkin, V. V.
- IV. Title: Distribution...
- V. Title: Mineral...
- VI. DSIR NT-845
- VII. DSIR LLU M. 3194
- VIII. Department of Scientific
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Nazarova, G. N., Okolovich, A. M., and
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DSIR LLJ M3195. 61-27479
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sect. II, chap. 2.

DESCRIPTORS: *Ores, *Flotation, *Sulfonates,
*Alkyl radicals, Benzyl radicals.

Of the individual products of a series of alkylaryl
sulphonates differing in the length of the hydrocarbon
radical, sodium dodecylbenzene sulphonate and tri-
decylbenzene sulphonate (C₁₂-12, C₁₃) were proved by
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- I. Nazarova, G. N.
- II. Okolovich, A. M.
- III. Plaksin, I. N.
- IV. Title: Use...
- V. Title: Mineral...
- VI. DSIR NT-846
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durch Flotation

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DESCRIPTORS: *Hydrolysis, *Sodium compounds,
*Carbonates, *Calcium compounds, *Tungstates,
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There is no appreciable hydrolysis of sodium carbonate
during the decomposition of calcium tungstate with
soda solutions at increased temperatures. The com-
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